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The Chemical Market Authority Since 1871

Volume 150 No. 27 December 30, 1946

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Oil, Paint and Drug Reporter

Volume 150 No. 27 | New York 7, N. Y. | December 30, 1946

Rosin Export Order Revocation Studied

OPD Washington Bureau

Controls over the exportation of rosin may be removed by the government January 1 on recommendation of the Civilian Production Administration. Because supplies of all but a few grades now appear adequate to meet demand, it is understood that recommendations have gone forward to the policy makers of CPA that the material be freed of all further control.

For the past several years, strict limits have been placed on the amount of rosin that could be exported from the United States because of heavy demand for the material both in the war and reconversion programs. During the past year, however, officials said, the supply situation has improved materially, and during the last quarter of 1946 it became necessary to increase the rosin export quota 66 percent because producers' inventories were becoming too heavy.

Rosin Exports Put On Group K List

OPD Washington Bureau

The Office of International Trade has expanded its list of chemical products that may be exported from the United States to Group K countries under the consolidated license procedure to include rosin and rosin products.

The consolidated license procedure permits exporters to group their requests for licenses to export any product on the list under a single application covering one calendar quarter of the year.

The rosin products added to the list are gum rosin; wood rosin; colophony; rosin oil; sulphate wood rosin; ester gums in powder, flake or liquid form; rosin modified maleic and fumaric rosins; pentaerythritol esters of rosin; glycol esters of rosin and methyl esters of rosin; rosin-modified phenolic resins; rosin size, and sodium resinate.

Application for consolidated licenses for the first calendar quarter of 1947 should be submitted not later than January 6. Applications for subsequent calendar quarters should be submitted during the last fifteen days of the month preceding the new quarter.

Stripper Well Subsidy Payments Reduced Again

OPD Washington Bureau

A further reduction in stripper oil well subsidy payments, effective as of December 1, has been ordered by Philip B. Fleming, Temporary Controls Administrator. This action, which follows the general 10 cents per barrel crude oil price increases recently announced by major oil purchasers, is in accord with the policy outlined in Stabilization Directive 133 issued on August 28, 1946. At that time, subsidy payments were reduced by the amount of price increases.

As a result of today's action, the Reconstruction Finance Corporation will discontinue premium payments under its Stripper Well Compensatory Adjustments Regulation 7, except as to Pennsylvania crude oil.

Chemical Congress Set For London July 16

OPD Washington Bureau

Invitations are now being forwarded to foreign visitors for the eleventh International Congress of Pure and Applied Chemistry to be held in London in July, 1947, according to information just received in Washington.

This is the first meeting of the congress, which is held every two years, since the Rome, Italy, meeting in 1938. The London meeting will run from July 16 until July 24. It is expected that the next meeting will be held in the United States.

Price Trend Takes a Breather

Price views had no particular feature last week in the markets for chemicals, oils, and drugs. Some few were elevated; about as many were depressed. The net result was a general level higher than ever before by a margin too small to record in a reasonable decimal position, and 11.3 percent higher than it was a year earlier.

The holiday slowdown had something to do with the lack of price activity, but it was a minor influence. Most of the prices that are due for change—advances, of course—had previously been set at figures that will become effective January 2. The others are held up by uncertainty, most pricers preferring to make necessary changes all in one lump—and they don't know how far to go.

That position is not universally true. Some nonferrous metals are being stepped up progressively, and their salts are similarly changed. Much of the upping last week was in that category, affecting some salts of antimony and lead, and a number of metallic resinates. Another spreading of a basic influence touched hydriodic acid.

Higher prices in potashes are looked for, but the only one to materialize was that of USP carbonate. Only one quarter's upping of one acetic acid was reported, all are expected to go up everywhere about 10 percent, and some associated organic acids will go along. Uncertainty still controls in the alkali-chlorine sector. It is almost certain that supplies will be cut, but whether the curtailment will be more than 15 percent is a question.

Nitrogen compounds also are uncertainties, but a big boost in synthetic nitrate of soda has been set for January 2. Shipments in the fertilizer field are far behind for the ammonias too. The stringency in basic coaltar materials grows tighter. Some higher prices are coming with the new year.

Fats and oils are still tight. Prices are too high to spur interest and too strong to make concessions. So, trade is quiet, but under sellers' control. Bigger buying is expected; it has shown up a bit in oilmeals.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

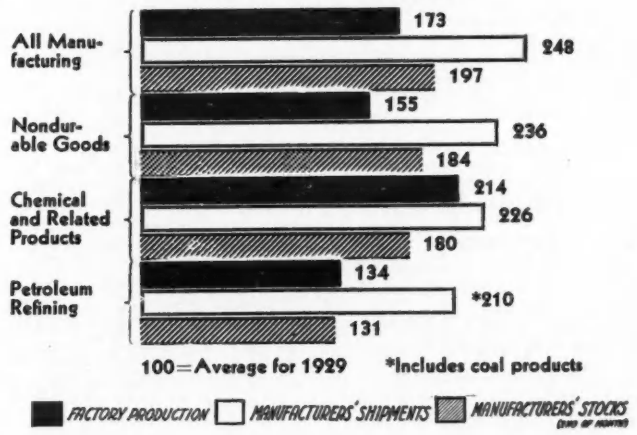
Dec. 26, 1946	Dec. 19, 1946	Dec. 27, 1945
150.3	**150.3**	**135.0**

The base of the OPD Price index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1946	1945	1941
January	135.3	133.0	107.8
February	135.4	133.2	110.3
March	135.2	132.7	111.9
April	134.9	132.2	115.5
May	135.1	132.5	118.2
June	135.4	132.5	121.9
July	137.7	133.5	125.5
August	136.6	133.9	128.2
September	137.0	134.0	130.4
October	143.1	133.5	133.2
November	149.2	134.0	135.1
December	150.2	134.8	140.3
Year's average...	138.8	133.3	123.2

Business in October



Tinplate Controls Removed by CPA

OPD Washington Bureau

The Civilian Production Administration has removed all tinplate controls which previously had channelled the major portion of tinmill output into the production of cans for essential and perishable food.

The action, accomplished by amending the tin container order (M-81), permits the use of cans for packing shortening, coffee, beer, pet foods and a number of other food products previously under the order.

The tinplate controls were liberalized by eliminating the A, B and C sequence in the permitted use of tinplate for food packing in the amended M-81 order, and also be revoking Direction 9 of the steel order M-21. This direction previously channelled 70 percent of all tinmill output to the production of containers for the essential and perishable food items listed in order M-181. CPA said most of the 1946 demand for seasonal fruits and vegetables had been met.

Remaining unchanged in order M-81 are the restrictions which regulate the amount of tin coating to be used in tinplate for cans, and also the restrictions regulating the sizes of tin containers. These controls were retained, CPA said, because they offered the best methods of conserving pig tin, which is still in short supply.

ODT Extends Expiration Date of Two Orders

OPD Washington Bureau

The Office of Defense Transportation has extended the expiration date of two of its orders providing exceptions to its maximum loading requirements, ODT-1, Rev. 10 and ODT-1, Rev. 11, until February 28, 1947. These exceptions had been scheduled to expire December 20.

ODT-1, Rev. 10 permits shipments of merchandise in a closed boxcar of less than 20,000 pounds from official territory to any point or points South or West of the first loading point of such car in such territory. ODT-1, Rev. 11, permits shipments of merchandise of not less than 15,000 pounds from one point to another within official territory provided the car moves from the loading point direct to the destination point by-passing all transfer stations en route.

Int'l Standardization Plan Progressing

The United States has become the first country to ratify the convention setting up the twenty-five nation International Organization for Standardization P. G. Agnew, vice-president and secretary of the American Standards Association, has announced. Action was taken at a recent meeting of the directors of the association.

Trade Agreement Protests Filed

OPD Washington Bureau

American negotiators in the forthcoming reciprocal trade agreements parleys with eighteen countries next Spring are being urged by the Manufacturing Chemists' Association to "hold the line" on existing tariff levels on chemicals so that the American industry will not be placed in a "seriously disadvantageous position" in competition with producers abroad.

At the same time, the Independent Petroleum Association of America has filed a brief with the Committee for Reciprocity Information urging restoration of the excise tax on petroleum to the full rate established by Congress in 1932.

The Manufacturing Chemists' Association brief filed with the committee protested consideration of any changes in tariff rates of classifications affecting chemical products in "this period of maladjustment in the world," and warned that the next war, should it occur, will strike without warning, which "will necessitate dependence upon our own resources and a self-contained chemical industry.

Pointing to the prospect of curtailed output for a considerable period and excessively high cost of production, the brief stated that the high standard of living in the United States cannot be maintained if it is subject to foreign low wage competition. The association contended that any further reduction in chemical tariff rates to the credit of foreign nations would be reflected adversely in the United States in production and productive capacity, in the number of workers employed, employee earnings and in the industry's extensive research projects.

The brief added that under favor-

—Continued on page 52

U.S.-Cuba Tariff Pact To Be Eliminated

The State Department announces that this government's negotiations next Spring with eighteen other countries for reciprocal reduction of tariff and other trade barriers will include negotiation directed towards elimination of tariff preferences in effect between the United States and Cuba, as well as preferences among British Empire countries and between other countries.

The existing trade agreement between the United States and Cuba not only provides for specified preferential treatment of products enumerated in the schedules of the agreement but also provides generally that each country will accord preferential treatment to any other products imported from the other country.

Tariff preferences accorded under both provisions will come within the scope of the forthcoming negotiations, regardless of whether the products concerned are included in the list of products made public on November 9, 1946, on which the United States will consider granting tariff concessions in the forthcoming negotiations. No United States tariff reductions will be made, however, on any commodity not appearing on a public list.

Freight-Car Demurrage Applied by ICC

OPD Washington Bureau

The Interstate Commerce Commission, finding that gondola and open and covered hopper cars are being unduly delayed, has ordered (service order 653) that, when demurrage detention of such cars occurs, a charge shall be levied of $2.20 a day or fraction of a day for the first two days, $5.50 for the third day, or fraction, $11 for the fourth day or fraction, and $16.50 for each succeeding day or fraction.

This order became effective December 20 and will remain in effect until April 1, 1947.

The commission has extended from December 18 to June 30, 1947, the life of service order No. 369, as amended, as it applies to demurrage charges on closed boxcars.

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Bids Wanted

DDT, wettable powder, 2,000 pounds, District of Columbia Government (Washington, D. C.) schedule 9413, January 6.

Hydrated lime, 60,000 pounds, Federal Works Agency, (Washington, D. C.) invitation 1788-1-10-1, January 10.

Lead acetate, 25,000 pounds, Navy Department (New York City) negotiation 754, part 4, January 3.

Linseed oil, boiled, 1,380 gallons, raw, 804 gallons, Treasury Department (San Francisco, Calif.) invitation SF-3528-47, January 3.

Phosphoric acid, 15,500 pounds, Navy Department (New York City) negotiation 758, part 1, December 31.

Pig lead, City of Cleveland, Ordnance No. 2606-46, January 3.

Sulphuric acid, 40,000 pounds, Navy Department (New York City) negotiation 758, part 1, December 31.

Transformer oil, City of Cleveland, Ordnance No. 2607-46, January 3.

White lead, in oil, 1,000 pounds, Department of Justice (Petersburg, Va.) invitation 9-3349, December 31.

Esso Chemical Head

Dr. William J. Sparks has been named director of the chemical division of the Esso Laboratories of the Standard Oil Development Company, Linden, N. J., succeeding Dr. Per K. Frolich, who has resigned to enter other activities.

Surplus Materials and Supplies Put on Sale

The following items in the categories of chemicals and related materials and commodities are included among the offerings in current sales by the War Assets Administration:—

Drugs, various, cost $12,240.68, Philadelphia, C-717-PH, fixed prices, until January 15.

Red squill chips, three lots, 47,769 pounds, 26,455 pounds, 288,121 pounds, Philadelphia, PHO-71-412, minimum 2,000 pounds, 10 cents a pound, f.o.b. Philadelphia or Wilmington, until January 13.

What remains of the "more than a million dollars' worth" of cosmetics and related preparations recently put on sale to priority claimants has been made available to other eligible buyers at fixed prices until January 3.

Among the thousands of items of industrial equipment and supplies currently offered in WAA surplus-disposal sales are:—

Corks, various sizes, twenty-five lots of 2,120 to 3,961,000, Kansas City, KC-VI-67824, January 15.

Drums, steel, used, 55-gallon, 234, Kansas City, KC-VI-67824, January 15.

Calcium Hypochlorite Prices Advanced

A price increase has been announced by the Mathieson Alkali Works (Inc.) for its high test calcium hypochlorite (marketed under the trade name of HTH). Effective immediately, for 100-pound drums the prices are, for one or two-drum lots, $28.50 per drum; for three to nine-drum lots, $26 per drum, and for 10 or more drum lots, $24 per drum. For 45-pound net weight cases of either nine five-pound cans or twelve 3¾-pound cans the prices now are, for one-case lots, $21.50 per case; for two to four-case lots, $20.50 per case, and for five or more case lots, $19.75 per case.

The foregoing prices are f.o.b. freight station destination with the exception of the western states of Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Utah, Washington and Wyoming; in these western states the prices are f.o.b. stock point.

Glacial Acetic Prices Issued

Niacet Chemicals Division of the U. S. Vanadium Corporation, a unit of Union Carbide & Carbon Corporation, has released the following spot prices effective January 1 for synthetic glacial, technical, acetic acid:—Tanks, works, $7.62 to $8.12 per 100 pounds, f.o.b. works; drums, works, $9.90 to $10.20 per 100 pounds; U.S.P., drums, works, $11 to $11.55 per 100 pounds; CP, drums, works, $13.20 to $13.75 per 100 pounds. Cases of 100 pounds are no longer quoted, and carboys are not supplied on account of cold weather breakage.

Ball Succeeds Davies As Oil Division Head

OPD Washington Bureau

Secretary of the Interior J. A. Krug has announced the resignation of Ralph K. Davies as acting director of the oil and gas division, the successor agency of the Petroleum Administration for War, which Mr. Davies headed as deputy administrator during the entire war period.

At the same time, Secretary Krug announced the appointment of Max W. Ball, geologist and petroleum engineer, as director of the oil and gas division to succeed Mr. Davies.

Dow Buys WAA Magnesium Plant

OPD Washington Bureau

Sale of the war-surplus Dow-Velasco plants, Velasco, Texas, to the Dow Chemical Company, Midland, Mich., for $35,155,000 has been approved by War Assets Administration.

The sale includes all the facilities of the magnesium plant except the magnesium metal-producing units; the styrene and thiokol "N" synthetic rubber plants, which cost the government $17,096,825 and $1,386,737 respectively, and a 725-acre land tract northwest of Velasco in Brazoria county which cost the government $141,326.

The portion of the magnesium plant to be sold had an original cost to the government of $30,373,384 and includes power, chloride and caustic, and lime plants. Total cost of all properties approved for sale was $48,998,272.

The metal-producing units of the magnesium plant will be maintained by the government in stand-by condition for magnesium production in accordance with the Surplus Property Administration Report to Congress of December 7, 1945, WAA said.

U.S. Health Service Accepting Applicants

OPD Washington Bureau

Competitive examinations will be held early in 1947 for appointment to the regular corps of the United States Public Health Service, according to a recent announcement by Dr. Thomas Parran, Surgeon-General. Seventy-five vacancies exist in grades of assistant and senior assistant scientist.

Written examinations, covering each candidate's particular field of science, as well as related fields, will be held April 14 and 15 at places mutually convenient to the applicant and the service. Oral examinations will be held during the period February 13-April 9 in thirty cities, strategically located throughout the United States.

Commissions are available to scientists trained in any of the following fields:—Bacteriology, mycology, parasitology, entomology, malacology, biology, chemistry, physiology, physics, statistics (mathematical, demographic, etc.), psychologists, and milk and food specialists. Assignments will be in line with the individual's demonstrated ability and experience.

ACS Elects Four Councilors-at-Large

Four leaders in chemistry and chemical engineering have been elected councilors-at-large of the American Chemical Society. Those named for three-year terms to the council, the society's advisory body on policy and general management, are:—

Dr. Cecil L. Brown, director of the Esso Laboratories, Standard Oil Company of Louisiana, Baton Rouge; Dr. M. L. Crossley, research director of the American Cyanamid Company, Bound Brook, N. J.; Professor Glenn T. Seaborg, of the University of California, Berkeley, and Professor Roger J. Williams, director of the Biochemical Institute at the University of Texas.

Market Reports

Cottonseed oil quotations for futures at the New York Produce Exchange at 2 p.m., Friday, December 27, were:—January, 28c. bid; March 27.10c. to 29c.; May, 25.80c. bid; July, 25c. bid; September, 21.60c. to 23c.; October, 21c. asked; November, 20c. asked; December, 19c. asked. Sales, 3 July contracts at 25c.

Paper production as a percentage of six-day capacity was 101.8 in the week ending December 20, according to the American Paper and Pulp Association. This compares with 106.7 the previous week and 96.5 percent a year ago.

Potash Permanganate—Prices will be advanced to 20¾c. to 21¼c. a pound for technical and to 22½c. to 23c. a pound for USP f.o.b. works on January 1.

Seed and spice trading resumed after the holiday resulted in new prices being established on the following articles:—Marjoram, Chilean, futures, higher at 13c. to 13½c. per pound; thyme, French, 16½c. to 17c., spot, and 15½c. to 16c. for futures; Spanish, 11¾c. to 12¼c., being lower. Laurel, Cyprus, 28c. to 29c.; Portuguese, good, 15c. to 15½c.; Turkish, 15c. to 15½c., all lower. Anise, Argentine, 42c. to 43c. per pound, being lower; caraway, Danish, down to 25½c. to 26c.; cardamom, decortieated, Guatemalan, $1.40 to $1.45; India, $1.45 to $1.50, being higher; celery, India, shaded to 24½c. to 25c.; cumin, Persian, down to 41c. to 42c.; fenugreek, India, reduced to 8¾c. to 9¼c.; poppy seed, Dutch, higher at 24c. to 24½c. Clove, Madagascar, down to 13c. to 13½c.; ginger, African, 14¾c. to 15¼c., spot, and 13½c. to 14c. for futures; Jamaica, No. 1, 18c. to 18½c., all lower; No. 2, 17c. to 17½c.; No. 3, 16c. to 16½c., both higher; nutmegs, December-January arrival, 81c. to 82c., reduced; pepper, black, spot, 60c. to 62c., and futures, 50c. to 52c.; white, 63c. to 64c., all lower.

Silver bullion prices were officially reduced to 83¾c. per ounce late last week. Readjustment of prices on silver salts would be a reasonable expectation. However, silver nitrate sellers are disposed to seek price stabilization in place of the former and almost daily change of prices in conformity with that on bullion.

Soda Nitrate—On January 1, domestic soda nitrate will be advanced to $32.00 per ton in bulk and $35.50 for 100 pound bags, carlots f.o.b. Hopewell, Virginia.

Rosin market at Savannah for the week ending December 27 was as follows:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.85	...	...	...	$6.85
D	7.15	...	...	...	7.15
E	7.55	...	...	...	7.55
F	8.10	...	...	...	8.10
G	8.10	...	...	...	8.11
H	8.10	...	...	...	8.11
I	8.10	...	...	...	8.11
K	8.10	...	...	...	8.11
M	8.10	...	...	...	8.11
N	8.10	...	...	...	8.11
WG	8.10	...	...	...	8.11
WW	8.10	...	...	...	8.11
X	8.10	...	...	...	8.11
	Drums				
Sales	24	...	...	...	34
Receipts	239	...	...	...	468
Shipments	...	...	...	...	...
Stocks	16,596	...	...	...	17,064

Turpentine market at Savannah for the week ending December 27 was as follows:—

	Bulk gallons		Barrels		
		Sales.	Receipts.	Shipments.	On hand.
Monday	$1.21	35	...	495	3,536
Tuesday	...	...	...	...	...
Wednesday	...	...	...	...	...
Thursday	...	...	...	...	...
Friday	1.21	...	141	69	3,608

NPVLA Executive Committee to Meet

OPD Washington Bureau

The executive committee of the National Paint, Varnish and Lacquer Association will hold its annual organization meeting at the Pennsylvania hotel, New York, January 21.

N.Y. Production Club To Meet January 2

The regular monthly meeting of the New York Paint and Varnish Production Club will be held at the Building Trades Employers Association, 2 Park avenue, on January 2.

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'Benzedrine' Case Review Refused

OPD Washington Bureau

The Supreme Court of the United States has refused to review the decision of the United States Court of Appeals for the third Circuit sustaining the claim of Smith, Kline & French Laboratories to the patent rights for amthetamine sulphate sold under the trade name of "Benzedrine."

The court's rejection of the appeal also had the effect of upholding the ruling of the lower court that therapeutically similar tablets produced and sold by other concerns must be distinctively marked to avoid any confusion with the "benzedrine" tablet.

Appeal from the lower court's ruling had been taken to the Supreme Court by Clark & Clark, trading as Professional Laboratories, Inc., which had been producing a similar tablet under the trade name of "profetamine." It claimed that the patent was invalid because the process of making the compound was well known. It also protested the decision that it initial its tablets to distinguish them from "benzedrine," because this would limit the market for its tablets since doctors hesitate to prescribe tablets bearing a mark indicating that they are a patent medicine.

Smith, Kline & French laboratories have at least ten other infringement cases pending in the courts which may be affected by the Supreme Court's denial of the appeal in this case.

Butadiene Surplus Plants Offered

OPD Washington Bureau

The War Assets Administration announced today that it will dispose of two of three surplus government-owned butadiene plants. Offers to buy or lease were invited for all three plants, but only two offers will be accepted in view of a recommendation by the Inter-Agency Policy Committee that one plant be held in a standby condition as a national defense measure. Which plant will be kept will be determined by the offers received.

The plants are located in Louisville, Ky., Kobuta, Pa., and Institute, W. Va. They cost the government a total of $123,980,500 and have a combined capacity of 224,000 short tons of butadiene a year.

The Louisville plant was leased and operated during the war by the Carbide & Chemicals Corporation and has a rated yearly capacity of 60,000 short tons. It has a reported cost to the government of $35,118,500.

The Kobuta plant was leased and operated during the war by Koppers Company. Designed to produce 84,000 tons per month of butadiene from ethyl alcohol, the plant also has facilities for the production of 3,000 tons of styrene per month. It has a reported cost to the government of approximately $50,000,000.

The Institute plant was leased and operated during the war by the Carbide & Carbon Chemicals Company. It consists of four 20,000-ton independent butadiene-from-alcohol production lines which have been operated at 150 percent of rated capacity. Reported cost to the government was $38,862,000.

Penicillin Freed From Export Control

OPD Washington Bureau

The Office of International Trade announces the removal of medicinal products from the list of commodities that have been subject to export licensing control. The products were freed from control December 26.

They include the following:—penicillin and penicillin products; dried whole milk; dried skim milk; castor bean oil cake and oil cake meal; cocoa press cake, cocoa butter, cocoa beans, and nutmeg and mace.

Standard Chemical Changes Firm Name

The Standard Chemical Company, Akron, Ohio, announces the change of its name to the Harwick Standard Chemical Company, with no change in products, policies or management. The company maintains branch offices in Boston, Chicago, Los Angeles and Trenton, N. J.

P.A.'s-Eye View of Business

Composite view, December 29, of purchasing agents composing the Business Survey Committee of National Association of Purchasing Agents

Industrial buyers in the United States and Canada are of the general opinion that business is good and should continue good for some time unless disturbed by conditions in other parts of the world.

Business appears to be gaining stability and in this respect is better than at any time during the past year. Barring major labor difficulties, industrial production should go along very satisfactorily.

Business volume may decline somewhat, but what remains will be on a sounder basis—and probably more desirable.

To industrial purchasing agents, the future looks good, and from all indications they believe it will continue so for some time to come.

Commodity Prices

Commodity prices again are reported advancing, but very slightly over a month ago.

Higher prices appear to result largely from higher wages. There are, of course, instances where prices are running wild, but industry is successfully resisting any such tendency and reports generally accept prices as being reasonable under present conditions. No runaway market seems in the making.

Reports indicate that, in spite of the continued gradual trend upward, the rate of increase has slackened, and we are approaching a leveling off of commodity prices and, perhaps, a turndown. This, of course, could be very adversely influenced by another siege of strikes and labor disturbances

Canadian buyers report a steady climb in prices, particularly on imports. There are, however, evidences that heavy production in the United States, plus the farm production carryover, may have some softening effect on prices.

Inventories

There is practically no change in the general inventory situation over a month ago. Only one reports a higher inventory, and only two report a lower position.

The unbalanced condition of inventories still appears the major problem. Until this condition is eliminated and a more normal supply of all items is available, there is little chance of arriving at a satisfactory inventory position in industry.

Buyers continue to make every ef-

—Continued on page 35

Davison Chem. Elects Geiger Vice-President

Marlin G. Geiger, vice-president of the Westvaco Chlorine Products Company, New York, will become executive vice-president of the Davison Chemical Corporation, Baltimore, on January 1. It is a newly created position.

Dr. G. Miller Hebbard, of the Office of Rubber Reserve of the Reconstruction Finance Corporation, has been elected vice-president of Davison in charge of operations.

Elmer B. Dunkak, for the past fifteen months in charge of all the company's engineering activities, has been elected vice-president, and Dr. Charles E. Waring, technical assistant to the president since 1945, has been named vice-president for research and development.

Mr. Geiger joined Westvaco in 1925, became assistant manager in 1927 and in 1929 was appointed resident manager of the entire West Virginia operations of the company. He was elected a director of the company in 1939 and became vice-president a year later. He was named a director of United Chemicals Corporation in 1940 and has been a vice-president of the company since 1943. He also has been president of the West Virginia Charcoal Company since 1944.

H.L. Knight to Retire From Agriculture Dept.

OPD Washington Bureau

Howard Lawton Knight, with a record of over forty-two years of continuous service in the Department of Agriculture, will retire on December 31. Mr. Knight entered the department in 1904 in the capacity of scientific assistant at the nutrition laboratory located at Wesleyan University, Middletown, Conn., and directed by Dr. W. O. Atwater.

In 1906, Mr. Knight transferred to Washington as assistant editor of the Experiment Station "Record." He served this abstract journal in various capacities:—assistant editor, 1906 to 1918; associate editor, 1918 to 1923, and editor-in-chief, 1923 to time of retirement.

Copra Output Seen At Peak in 1947

Dr. Maximo M. Kalaw, general manager of the Philippine government's National Coconut Corporation, Manila, has predicted a record production of copra and coconut oil in 1947, with shipments of the former totaling 500,000 tons, and of the latter 250,000 tons.

Dr. Kalaw urged oil refineries to step up production to meet the sharp foreign demand which sent prices to an all-time high of $200 per ton.

Lead Chemicals Allocation Ended

OPD Washington Bureau

The allocation of lead for use in pigments, insecticides and ethyl fluid for the blending of high octane gasoline was ended December 27 by the Civilian Production Administration, when it ordered L-354 and L-355 revoked. Since that date producers of lead chemicals and ethyl fluid, like all other users of lead are free to purchase in an uncontrolled market for use as they see fit, CPA officials said.

National Oil Products Plans Change of Name

Directors of the National Oil Products Company, Harrison, N. J., have voted to change the firm's name to Nopoco Chemical Company, because, as explained by president Charles P. Gulick, operations are now concerned chiefly with chemicals and not petroleum products. The change is subject to approval of stockholders at the annual meeting in March.

Margarin Sales Fee Invalidated in Penna.

Two Pennsylvania laws imposing license fees on sellers of oleomargarin were declared unconstitutional December 21 by Presiding Judge William M. Hargest of the Court of Common Pleas of Dauphin County. The laws were originally enacted in 1899.

The action in which this decision was given was started in September by three retail dealers, T. J. Flynn, Lebanon; S. A. Yorty, Mechanicsburg, and H. E. Barnhart, and one wholesaler, E. C. Orris. The plaintiffs sought to compel Miles Horst, Secretary of Agriculture of the Commonwealth of Pennsylvania, to relieve them from the State wholesaler license fee of $500 a year and the retail license fee of $100. They contended that these imposts, on top of the Federal taxes, constituted restraint of trade as not more than 5,000 grocers of the 35,000 in the State could afford to pay the license fee.

Following the decision of the Dauphin county court, the State agricultural department announced that it would issue to oleomargarin dealers temporary licenses, without a fee, until the amount of such an impost shall have been determined by the courts or the legislature.

U.S. Commerce Chamber Polls Members on Labor

OPD Washington Bureau

Proposals for amendments to the Fair Labor Standards Act, as recommended by the committee on labor relations of the Chamber of Commerce of the United States, will be put to a referendum vote of the chamber's membership. Ballots were mailed December 28, with thirty days allowed for voting.

The Committee's recommendations are designed to remove numerous uncertainties and unpredicted interpretations of the Act as for example the interpretations, upheld by the United States Supreme Court, which require overtime pay under the portal-to-portal principle.

The recommendations on which the Chamber's membership will vote are:

An amendment that will remove present uncertainties as to the hours worked as a basis for overtime compensation.

An amendment that will restore the

—Continued on page 71

Washington Talks It Over

The OPD Observer

Republican clamor for an investigation of the operations of the reciprocal trade agreements program has become quite vocal in the past several weeks and has raised the possibility of a monkey wrench being tossed into the plans of the State Department to negotiate agreements with eighteen countries next spring.

Three of the most prominent GOP members of the House Ways and Means Committee, where tariff legislation originates and which drew up the first Reciprocal Trade Agreement Act and its subsequent extensions, have openly demanded a review of the operations of this law be made, and at least one Senator is demanding that the State Department suspend any trade negotiations now in progress until Congress can study the matter.

Added to the worries of the State Department is the fact that the commissioners of agriculture of thirteen southern states have broken precedent and are opposing any further reduction in protective tariffs.

The Republicans, as a whole, in spite of all their oratory, are not opposed to trade agreements as such, but they insist that they be reciprocal in fact as well as theory. It is their complaint that the administration has sold American industry down the river by using the Reciprocal Trade Agreements Act to foster a low tariff policy. They would insist that the State Department be more selective than in the past in the items picked for tariff concessions.

Railroad Impracticabilities

Railroad officials are becoming concerned over the power wielded with ICC by the railroad brotherhoods in the matter of safety devices for railroad cars. And this concern is now spreading to the chemical industry. Some of the devices being forced on the railroads, it is charged, are impractical, to say the least, but officials hesitate to make them an issue.

One of the latest devices about which officials are complaining are new style runningboards of perforated metal. These have to be placed on all new or rebuilt boxcars and tankcars after April 12. Presently tankcars are equipped with wooden runningboards with iron handrails.

The difficulty facing the chemical industry in the use of the new metal runningboards is the fact that the effects of highly corrosive acids spilt on these metal boards probably won't be detected until it is too late. The acids can eat away the bolts and connections without any detection from the outside. On the other hand, with the wooden boards such signs of deterioration were readily apparent and the boards could be replaced before injury to the workers.

Current Gag

Washington wits amused by the latest thumbnail sketch now being passed around depicting the history of government controls over industry. It goes like this:—

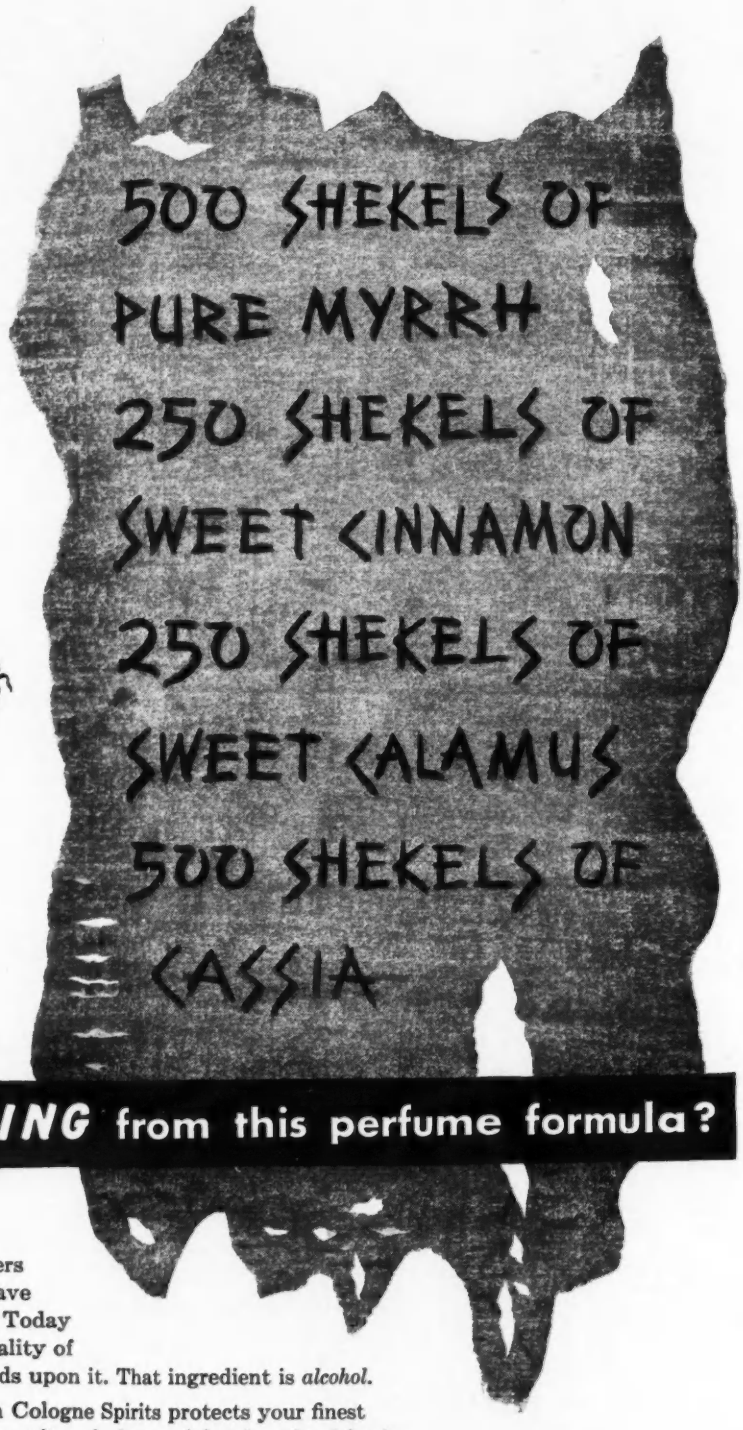
1940—NDAC.	1941—SPAB.
1941—OPM.	1942—WPB.
1945—CPA.	1946—OTC.

1947—P-f-f-t.

U.S. Doesn't 'Buy American'

The Army and Navy Munitions Board has reportedly been compelled

—Continued on page 30



WHAT'S MISSING from this perfume formula?

There's a precious ingredient missing. Unknown to the perfumers of Biblical times, they would have offered kingly treasure for it. Today the perfumer knows the quality of his finest perfumes depends upon it. That ingredient is *alcohol.*

CSC Rossville Hexagon Cologne Spirits protects your finest perfumes . . . assures purity, clarity, and freedom from foreign odor . . . preserves subtle bouquets with exact fidelity . . . insures absolute uniformity and quality.

There are five CSC Rossville Alcohols—for every cosmetic, pharmaceutical, and industrial need:

ROSSVILLE HEXAGON* COLOGNE SPIRITS
ROSSVILLE ALGRAIN* ALCOHOL U.S.P.
ROSSVILLE GOLD SHIELD* ALCOHOL U.S.P.
ROSSVILLE ALCOHOL (SPECIALLY DENATURED)
ROSSVILLE ANHYDROUS ALCOHOL

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Industrial Application Of Chemicals

"Where You Can Sell"

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Betathymoxyethoxyethyl-diethanolamine

Adhesives—Wetting agent (U.S. 2229-024) in various adhesive preparations.

Chemical—Wetting agent (U.S. 2229-024) in making emulsions of various chemicals, textile lubricants.

Cosmetic—Wetting agent (U.S. 2229-024) in creams, hand lotions, and the like.

Disinfectant—Wetting agent (U.S. 2229024) in disinfecting and germicidal compositions.

Dry Cleaning—Wetting agent (U.S. 2229024) in dry-cleaning solutions.

Dye—Wetting agent (U.S. 2229024).

Fats, Oils, and Waxes—Wetting agent (U.S. 2229024) in boring, cutting, drilling, sulphonated and wire-drawing oils, greasing and lubricating compositions, wax preparations.

Firefighting — Wetting agent (U.S. 2229024) in solutions for extinguishing brush fires.

Ink—Wetting agent (U.S. 2229024) in lithographic, printing, and writing inks.

Insecticide and Fungicide—Wetting agent (U.S. 2229024) in insecticidal and fungicidal, horticultural sprays.

Leather—Wetting agent (U.S. 2229-024) in dressing, fat-liquoring, finishing, soaking, softening, tanning, and waterproofing compositions.

Metallurgical—Wetting agent (U.S. 2229024) in metalplating and solvent degreasing processes, metal-cleaning baths, scouring agents for metals.

Miscellaneous—Modifier of surface tension of liquids in various products and processes.

Softening agent for fibers.

Wetting agent (U.S. 2229024) in beer-glass coasters, cleaning compositions for windows, glassware, rugs, unholstery; embalming fluids, ink removers, polishing compositions for furniture, automobiles, metals, wood, glass, shoes, and other articles; soldering fluxes, various processes involving aqueous solutions, such as soaking, washing, impregnating, penetrating, wetting; wallpaper removers, waterproofing compositions, and water sprays for dust settling.

Paint, Varnish, and Lacquer—Wetting agent (U.S. 2229024) in lacquers, paints, and varnishes, and in pigment manufacture.

Paper—Wetting agent (U.S. 2229024) in beater operations, dye liquors, felt conditioning, felt-cleaning agents, sizing, waterproofing, and waxing compositions.

Petroleum — Wetting agent (U.S. 2229024) in acid treatment of oil wells, cutting oils, mineral oil, pitch, and tar compositions.

Pharmaceutical—suggested as wetting agent in oral antiseptics.

Photographic—Wetting agent (U.S. 2229024) in blueprint and photographic processes.

Rubber—Wetting agent (U.S. 2229-024) in cements.

Soap—Wetting agent (U.S. 2229024) in detergent compositions, textile soaps.

Textile—Softening agent for fibers.

Wetting agent (U.S. 2229024) in bleaching, boiling-off, bowking, carbonizing, degumming, dyeing, fulling, kier-boiling, mercerizing, and soaking baths; coating, degreasing, oiling, scouring, sizing, spinning, washing, waterproofing, and waxing compositions; printing pastes.

Association Meetings

American Society for Testing Materials, Benjamin Franklin hotel, Philadelphia, February 24.

Chemical Market Research Association, Mount Royal hotel, Montreal, February 6.

Essential Oil Association, Pennsylvania hotel, New York, January 10.

National Association of Corrosion Engineers, Palmer house, Chicago, April 7-10.

Natural Gasoline Association of America, Baker hotel, Dallas, Tex., April 23-25.

Oil Trades Association of New York, Waldorf-Astoria hotel, January 21.

Southern Paint and Varnish Production Club, Peabody hotel, Memphis, March 20.

Agriculture Dept. Reassigns Swenson

OPD Washington Bureau

Dr. Theodore L. Swenson leaves the directorship of the Western Regional Research Laboratory at Albany, Calif., January 2, to become special assistant to Dr. Louis B. Howard, Chief of the Bureau of Agricultural and Industrial Chemistry, the U. S. Department of Agriculture has announced. Dr. Swenson, who has directed the laboratory since its creation in 1938, will be succeeded by Dr. Michael J. Copley.

Darsyn Labs Elects W. M. Stieh President

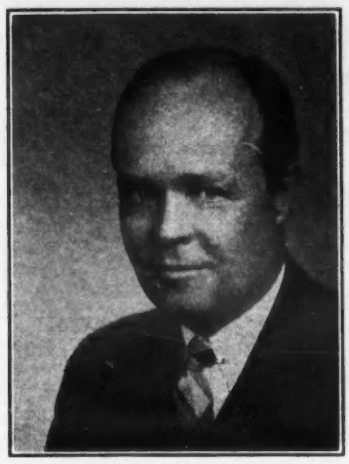
William M. Stieh, president of Metalsalts Corporation, Paterson, N. J., has been elected to the additional post of president of Darsyn Laboratories, an affiliate of Metalsalts. Gordon Gould, president of the New Idria

W. M. Stieh

Mining Company, San Francisco, and Mr. Stieh have been elected to Darsyn's board of directors.

Dr. N. Grier, formerly of Hoffmann-La Roche, Nutley, N. J., has been placed in charge of all research for Darsyn, and C. Casalbore has been placed in charge of production. The laboratories plan further expansion and will construct additional manufacturing facilities at Hawthorne, N. J., adjacent to the property now occupied by Metalsalts.

Assistant to President



Cedric C. Gran, formerly head of the agricultural chemicals section of the OPA, has been appointed assistant to the president of the American Plant Food Council. He was on the OPA staff from November, 1941, until November, 1946.

A.S.T.M. Plans Paint Symposium Feb. 24-28

A symposium on paint, with a number of technical papers, will feature the spring meeting of the American Society for Testing Materials, to be held in Philadelphia, February 24-28. Another event will be the dedication of the society's headquarters building, the purchase and remodeling of which was made possible by gifts from members.

The symposium on paint is being arranged by technical committee D-1 on paint, varnish, lacquer and related products, with the cooperation of the Philadelphia district of the society. Carlton H. Rose, of the National Lead Company, is chairman of the program committee.

Three general subjects will be covered by a series of technical papers. On the morning of February 25, "Methods of Evaluation of Paints" will be discussed, the finishes to be covered including those used in industrial, automotive, container and marine applications.

In the afternoon session three leading technologists will discuss the "Evaluation of Paint Materials," topics including the "Application of Infra Red Absorption Spectra to Drying Oils," the "Use of Inclined Tube Viscometer," and the "Application of the Stroboscopic Timer for Stormer Viscometer." Also scheduled for the afternoon session, is a discussion of "Statistical Analysis of Paint Test Data," in which several speakers

—Continued on page 68

Streptomycin Test Planned by FDA

The Food and Drug Administration has notified the drug industry that it intends to seek legislation next session extending the penicillin pre-testing amendment to cover streptomycin. Industry representatives interested in the matter have been asked to submit their views and comments to the agency as soon as practicable.

The effect of the legislation would be identical with that covering penicillin and would prohibit producers from selling any streptomycin until it first had been certified by the FDA as to its purity and potency. Standards of purity and potency would be set up by the agency, together with rules and regulations covering labeling, methods of assay and so forth.

Officials said that there appears to be more reason for requiring the certification of streptomycin than was the case with penicillin, because of certain peculiarities of the drug, and unless the industry could offer some meritorious reasons why certification should not be required, it was their intention to lay the matter before Congress.

Records of the examination of samples from batches of streptomycin under the arrangement existing between the Civilian Production Administration and the FDA show that the incidence of failures to meet recognized standards is quite comparable to that which prevailed with respect to penicillin before the penicillin amendment became law, Dr. Paul B. Dunbar, commissioner of FDA, said. During the past eleven and one-half months, samples of 342 batches have been examined and twenty-six rejected, fourteen for low potency, five for pyrogens, five for lack of clarity, and two for toxicity.

In identical letters to the industry's trade organizations, Dr. Dunbar added:

"As you know, streptomycin, like penicillin is a biological product and its manufacture and testing are subject to the same kind of unexplained vagaries that characterize the production of penicillin. In some respects at least, the need for pre-distribution checking is even greater for streptomycin.

"Its toxicity, particularly in relation to an effective dosage, is much higher than that of penicillin. Under dosage results in the rapid development of highly resistant strains of pathogenic organisms. Its dosage must therefore be much more carefully regulated than that of penicillin and it is even more important that labelled declarations of potency be accurate."

Commodity Committees Establishment Set

A call for nominations for commodity and functional committees to be established under the Research and Marketing Act of 1946 has been issued to approximately 250 national producer and commodity organizations, the U. S. Department of Agriculture announced December 24.

The request for nominations, sent by E. A. Meyer, administrator, Research and Marketing Act of 1946, was taken following recommendations made by the National Advisory Committee for the act which met early in December. At that meeting the advisory committee asked Secretary of Agriculture Anderson to proceed to establish the committees and recommended that the Department request organized groups such as farm organizations, processor organizations, and distributor organizations to submit lists of nominations.

Essential Oil Ass'n To Meet January 10

The annual meeting of the Essential Oil Association will be held at the Pennsylvania hotel, New York, on January 10. Cocktails will be served at 7 p.m. and dinner an hour later.

N. Y. Oil Trades Ass'n To Meet January 21

The quarterly meeting of the Oil Trades Association of New York will be held at the Waldorf-Astoria hotel on January 21. A reception will be held at 6:30 p.m. and dinner will be served an hour later.

Labor Relations

Mitchell M. Shipman
Labor-Management Consultant

Conditions Affecting an Employer's Right of Discharge

A few weeks ago this columnist was asked by one of the well-known drug companies and its union to serve as arbitrator in a dispute had between them concerning the discharge of an employee. He has recently rendered his award[1]. The case posed certain principles of labor relations relating to the right of discharge, which are of such importance as to merit the review of his decision here.

The facts in the case essential to the issues were briefly as follows:—

The complainant, T, had been a commission drug salesman for about twenty years, five of which had been with the company. His accounts were primarily retail drug stores and included the store involved in the case. Sometime in June of this year, while serving this particular drugstore, T, was asked by the owner if he could get him a customer. He got in touch with one L, and as intermediary or broker, succeeded in effecting the purchase of the store by L. The arrangement was for L to pay the brokerage commission. When T asked for the commission, L refused to pay the full amount. After some discussions, the complainant, T, brought legal action against L for his commissions. Thereupon L complained to T's employer, the company. A meeting between the complainant and the company's sales manager ensued, and T was thereafter discharged. Shortly prior to his discharge, he had, however, settled the action and accepted a sum less than the full amount from L.

Justification Challenged by Union

The company justified the discharge on the ground that it was a firm company policy to prohibit its salesmen from accepting payment of money in the sale of drugstores. It maintained that for a salesman to take a brokerage commission, especially, as here, after suit, was inimical to the best interest of the company. A salesman could not fulfill his duties to the company and at the same time collect brokerage commissions. It was, therefore, "just cause" as provided in the collective bargaining agreement, for the company to discharge the complainant.

The union, on the other hand, strongly objected to the discharge. Its first basis of objection was that, regardless of the merits for the discharge, the company had no right under the union agreement to fire the complainant. To its view, the union agreement made it mandatory upon the company that, before it discharge an employee, the union be

—Continued on page 42

[1] Norwich Pharmacal Company and Drug Trade Salesmen's, Wholesale and Warehouse Worker's Union, Local 65 (C.I.O.), reported 5 L. A 536, December 25, 1946.

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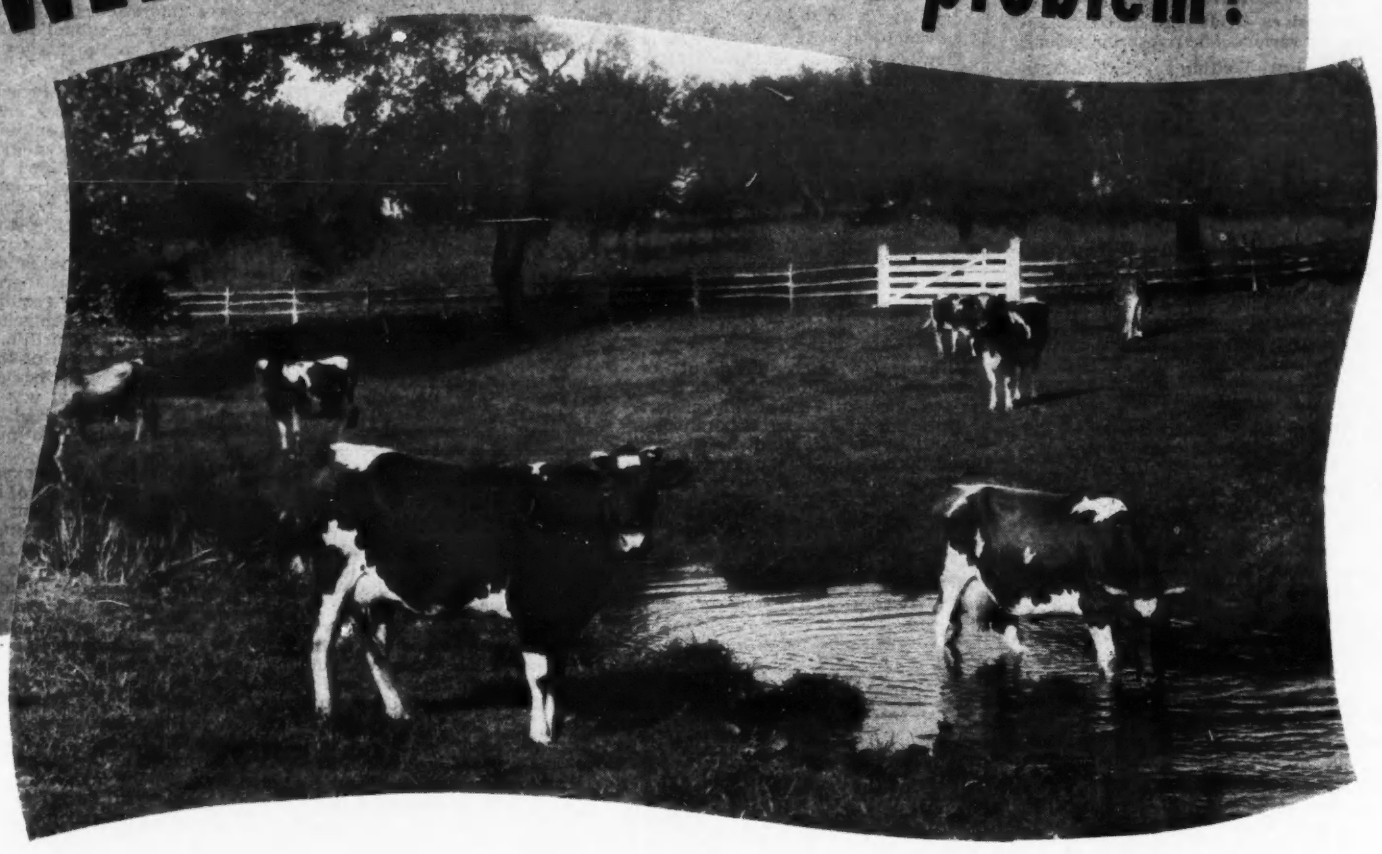
WEEDS—the No. 1 pasture problem!



Baker's 2,4-D

KILLS NOXIOUS PASTURE WEEDS—CUTS WASTE OF FERTILIZER AND LABOR—GIVES MORE GRAZING PER ACRE!

Weeds in pastures take a heavy toll from livestock raisers every year. The total no doubt runs into tens of millions of dollars! Weeds are the livestock man's No. 1 pasture problem!

Weeds crowd out grasses — rob them of essential plant food and moisture. They waste money and time spent on fertilizer and labor. They reduce the grazing capacity of pasture, so that considerably fewer livestock can be carried per acre.

Some weeds, also, act as hosts for insects . . . some poison or injure livestock . . . several taint the flavor of dairy products . . . a good many directly depreciate the value of land.

Killing pasture weeds makes more grass available for livestock — reduces weed-associated losses — increases pasture profits!

Many noxious weeds can be killed with 2,4-D — including such important pasture weeds as ragweed, peppergrass, sunflower, bindweed, Canadian thistle, plantain, burdock, horse nettle, cocklebur, wild carrot, wild onion, dock and leafy spurge, to name but a few.

To those who formulate weed killers, here is a tremendous market!

The J. T. Baker Chemical Company supplies your needs two ways:

Raw materials for manufacturing weed killers such as acid 2,4-D, and the sodium salt of 2,4-D, which is water soluble.

Baker's 2,4-D formulated concentrates, which are ready for dilution by the consumer and ready for your distribution, trademark and label.

Whether you are interested in either or both, write for further facts and prices. Address Organic Chemical Division, J. T. Baker Chemical Co., *Executive Office,* Phillipsburg, N. J.

Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIAL

Current Market Quotations Chemicals and Related Materials

December 26, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - .12
5 and 10 gals., works....lb. .14 - .15
tanks .....lb. .08 - .09

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., powd., bbls. c.l..lb. .19 - —
l.c.l. .....lb. .23 - —
kgs. .....lb. .25 - —

USP, cryst., powd., bbls., 2,000-lb. lots..lb. .40 - .41
smaller lots.....lb. .41 - .43

Acetic anhydride, dms., c.l., frt. alld..lb. .11½ - —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms....lb. .60 - —

Acetone, CP, dms., c.l., divd..lb. .06 - —
l.c.l., divd..lb. .06½ - —
tanks, divd. .....lb. .07 - —

Methyl (see M).

Acetonitrile, dms., c.l., works.lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works.lb. .50 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.05 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works.lb. .60 - —

Acid, abietic, doms., c.l., wks..lb. .07½ - —

Acetic, com'l or redist., 28%, bbls..100 lbs. 3.30 - 3.60
56%, bbls.....100 lbs. 5.35 - 5.60
70%, bbls.....100 lbs. 6.60 - 6.90
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., C.P., dms., works..100 lbs.12.80 -13.35
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.90 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.35 - 9.75
tanks, works.....100 lbs. 6.90 - 7.25
USP, dms., works.100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.62
56%, bbls.....100 lbs. 4.89 - 5.11
67%, bbls.....100 lbs. 7.00 - 7.35
80%, bbls.....100 lbs. 9.20 - 9.51
USP, 80%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic, special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .50 - —
smaller lots.....lb. .51 - .64

standard USP., fine cryst., gran. (30-40 mesh), powd. (80 mesh), bbls., same basis, lb. .45 - .59

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, USP cryst., powd., bbls., frt. adjusted.lb. 1.25 - 1.32

Anthranilic, resub., bbls....lb. 1.30 - 1.35
tech., bbls. .....lb. .90 - —

Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .20 - .22

Ascorbic, USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.25 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.. 180 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.55

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .42 - —
1,000 to 3,900 lbs.....lb. .44 - —
999 lbs. or less.....lb. .47 - —

USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .59 - .59

dms., 4,000 lbs. up.....lb. .56 - .56
1,000 to 3,900 lbs.....lb. .58 - .67
900 lbs. or less.....lb. .58 - .59

Betacoxynaphthoic, bbls., works. lb. .95 - —

Boric, tech., 99.5% cryst. (same as prices for powder).
gran., bgs., c.l., frt. alld.. ton.90.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $28 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .28 - —
l.c.l., same basis.....lb. .29 - —

Brenner's, bbls. .....lb. 1.82 - —

Acid, cacodylic, bots. .....lb.13.50 -14.50
Camphoric, cns. .....lb. No stocks
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., rct. dms.....lb. No stocks
Castor oil, split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .02 - —
l.c.l., works .....lb. .03½ - .04½
tanks, works .....lb. .02½ - —
Chromic, 99½-99½%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½ - .19
Cinnamic, refd., bots.....lb. 2.00 - 2.50
Citric, anhyd., gran., dms., c.l..lb. .23½ - —
l.c.l., 10,000 lbs. 1 ship't. lb. .22 - —
smaller lots, bbls. .....lb. .23 - —
dms. .....lb. .25½ - .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs., 1 ship't. lb. .20½ - —
smaller lots, bbls. .....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½ - —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - 1.00
Coconut oil, dist., dms.....lb. No prices
Corn oil, s.d., dms., c.l., wks. lb. No prices
Cottonseed oil, s.d., dms., c.l. lb. No prices
tanks, divd. .....lb. No prices
Cresylic dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. 1.01 - —
l.c.l., same basis....gal. 1.04 - —
tanks .....gal. .90 - .95
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref. gal. .610 - —
1-19, Cal., ref....gal. .510 - —
Sewaren, N. J., ref. gal. .636 - —
tanks, divd.....gal. .585 - —
light grade (209°-246°), tanks, Cal. ref..gal. .600 - —
medium grade (230°-345°), dms., 20 Cal. ref.gal. .50 - —
Sewaren, N. J., ref. gal. .636 - —
1-19, Cal. ref....gal. .570 - —
Sewaren, N. J., ref. gal. .636 - —
tanks, divd. ....gal. .646 - —
Crotonic, bbls., Canadian, wks. lb. .25 - —
Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .90 - —
l.c.l., works.....lb. .95 - .95
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - .12
l.c.l., works.....lb. .10½ - .12½
90%, cbys., c.l., works...lb. .10½ - .12½
l.c.l., works.....lb. .11 - .13
Fumaric, tech., bbls., dms..lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls. .....lb. .97 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .22
kgs. .....lb. .14 - .15
Glycolic (see Acid, hydroxyacetic).
H, bbls., works.....lb. .50 - —
Hydriodic, 45-47%, cbys.....lb. 2.52 - 2.54
57%, cbys. .....lb. 2.83 - 2.85
Hydrobromic, medicinal, 48%, cbys., divd. E..lb. .48 - —
tech., 48%, cbys., same basis, lb. .45 - —
34%, cbys., same basis...lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .80 - .40
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .30
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½ - —
60%, rubber dms., works..lb. .13½ - —
Hydrofluosilicic, 30-35%, bbls.lb. .36 - .09
Hydroxyacetic, 70% tech., bbls., non-return, Phila..lb. .064 - —
tanks, Belle, W. Va., acid basis..lb. .065 - —
Hypophosphorous, USP, djns. lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½ - —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24½ - .24½
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½ - —
10 or less.....lb. .14½ - .15½
80%, bbls., cbys., 5 or less, lb. .20 - .20½
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.80 - —
l.c.l., bbls., works.... 100 lbs. 6.85 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 2.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.35 - —
cbys., works.....100 lbs. 8.35 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .38 - .38

Acid, Laurent's, bbls.....lb. .68 - —
Lauric, dist., 85%, dms.....lb. No prices
60%, dms. .....lb. No prices
Linseed oil, light, dms.....lb. No prices
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½ - —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.30 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.06 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys extra..lb. .06 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra....lb. .06½ - —
6-lb. bots., extra.....lb. .06½ - —
Myristic, dist., dms..... No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10½ - —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12½ - —
tanks, works.....lb. .12 - —
Neville and Winthers, dms...lb. .73 - —
Nicotinic, USP, dms., works... kilo. 6.00 - 6.30
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra...lb. .15 - —
dealers, cbys. extra.....lb. .11½ - —
7-lb. bots., cs., extra...lb. .13½ - —
Oleic (see Oil, Red).
Oleum (see Acid, sulphuric, fuming).
Oxalic, bbls., c.l., works.....lb. .11½ - .12½
10,000 lbs.....lb. .12 - .12½
smaller lots.....lb. .13 - .13½
Palm oil,[2] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.55 - —
Paranitrobenzoic, cns.....lb. .80 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil, s.d., tanks, works. lb. No prices
Phenylacetic, bots.....lb. 1.60 - 2.00
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.25 - 4.60
l.c.l., works, frt. alld.. 100 lbs. 5.25 - 7.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½ - —
10 cbys. to c.l.....lb. .11½ - —
2 to 9 cbys.....lb. .12 - —
single cbys. .....lb. .13 - —
70-lb. cbys. .....lb. .10½ - —
25 cbys. to c.l.....lb. .11½ - —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs. .....lb. .65 - .70
Picric, bbls. .....lb. .80 - .81
Propionic, synth., pure, dms., works..lb. .19½ - —
tanks, works .....lb. .18½ - —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.02
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms. .....lb. 2.60 - 2.65
Pyroligneous, dms., ex whse. l.c.l..gal. .41 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic, tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots .....lb. .36 - .44
Sebacic, tech., dms., c.l., works, lb. No stocks
Soybean oil, s.d., dms., works. lb. No prices
tanks, works.....lb. No prices
Stearic, double pressed, bgs..lb. .33½ - .34½
single pressed, bgs.....lb. .32 - .34
triple pressed, bgs.....lb. .30½ - .31½
Succinic, bbls. .....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.00 - 1.03
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.. 100 lbs. 1.50 - —
tanks, E. works.....ton.16.00 - —
66°, tanks, works.....ton.17.50 - —
CP, USP, consumers cbys., extra..lb. .09 - —
9-lb. bots., cs. extra...lb. .10 - —
dealers, cbys. extra.....lb. .09½ - —
9-lb. bots., cs. extra...lb. .09½ - —
fuming, 20%, tanks, E. works. ton.18.00 - —

Acid, tannic, tech., bbls., dms.lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs.. lb. 1.32 - —
smaller lots.....lb. 1.35 - 1.39
powder, bbls., 1,000 lbs..lb. 1.12 - —
smaller lots.....lb. 1.15 - —

Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .54½ - —
smaller lots, bbls..lb. .56 - —
kgs. .....lb. .55½ - —

Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 2.00
Tobias, bbls. .....lb. .00 - —
Trichloroacetic, bots.....lb. 2.00 - 2.20
Tungstic, CP, 100-lb. pkgs...lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls. .....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.23.00 -32.00
15-gr. vials.....vial. 1.60 - —
cryst., bots.....oz.43.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., works. lb. .26 - —
l.c.l., works.....lb. .28½ - —
tanks, works.....lb. .26 - —
Adeps lanae USP, anhyd., cosmetic, dms., works.lb. .28 - .30
pharmaceutical, dms., works. lb. .26 - .28
Agar .....lb. 4.00 - 4.25
Agaric, white, bls.....lb. 2.85 - 2.90
Agrimony herb, bls.....lb. .39 - .40
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg edible,[7] cryst., gran., bbls. lb. 1.75 - 1.84
powd., bbls. .....lb. 1.80 - 1.85
tech., cryst., bbls.....lb. 1.65 - 1.90
Alcohol, allyl, dms., c.l., divd.lb. .21 - —
l.c.l., divd.....lb. .21½ - —
tankcars, divd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld., E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .40 - —
dms. .....lb. .65 - .80
Butyl, normal, ferment. Ill., Ind. prod., dms., c.l., frt. alld..lb. .26 - —
l.c.l., frt. alld. E....lb. .26½ - —
tanks, frt. alld. E....lb. .25 - —
tankwagon, frt. alld..lb. .23½ - —
other production, dms., c.l., frt. alld. E..lb. .29 - —
l.c.l., frt. alld. E....lb. .30½ - —
tanks, frt. alld. E....lb. .31 - —
synthetic, dms., c.l., frt. alld. E..lb. .15½ - —
l.c.l., frt. alld. E.....lb. .16 - —
tanks, frt. alld. E.....lb. .14½ - —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary, dms., c.l., divd..lb. .09½ - —
l.c.l., divd.....lb. .10 - —
tanks, divd.....lb. .09½ - —
tertiary, denat., dms., c.l..lb. .13½ - —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works....lb. .17½ - —
l.c.l., works.....lb. .18½ - —
tanks, works.....lb. .16 - —
Cetyl, com., CP., fiber otna., 1,000 lbs..lb. 1.75 - 1.80
smaller lots.....lb. 1.85 - 2.00
Cinnamic, bots.....lb. 3.00 - 3.25
Denatured,[7] CD14, dms., c.l., works, E..gal. .89½ - —
l.c.l., works, E.....gal. .92½ - .95½
tanks, E., divd.....gal. .82½ - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .89½ - —
l.c.l., works, E.....gal. .92½ - .95½
tanks, E. works.....gal. .82½ - —
Anhydrous 7c. per gal. higher
SD2B, dms., c.l., wks., E.gal. .89 - —
l.c.l., works, E.....gal. .92 - .95
tanks, E. works.....gal. .82 - —
SD2CG, dms., c.l., works.gal. .93½ - —
l.c.l., works.....gal. .95½ - 1.00
tanks, works.....gal. .85½ - —
SD2BH, dms., c.l.....gal. .89½ - .92½
l.c.l., works, E.....gal. .92½ - .97½
tanks, E. works.....gal. .82½ - .85½
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .90 - —
l.c.l., works, E.....gal. .94 - .99
tanks, E. works.....gal. .83 - —
When any of the several SD29 denaturants is supplied by the manufacturer, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., works, E..gal. .90 - —
l.c.l., works, E.....gal. .94½ - 1.02½
tanks, E. works.....gal. .84½ - .88½
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., divd..lb. .11½ - .14¼
l.c.l., divd.....lb. .12 - .15
tanks, divd.....lb. .10½ - .12½
tech., dms., c.l., divd.....lb. .11 - .13½
l.c.l., divd.....lb. .11½ - .14
tanks, divd.....lb. .10 - .12½

Controls on Materials

Applications of CPA and WFA regulations to materials listed is this section are indicated by superior figures as follows:—

[3]—General Limitation Order

[4]—General Preference Order

[5]—Conservation Order

[6]—Allocation

[7]—War Food Order

Alcohol, ethyl, 190 pf., dmz., c.l., works..gal.18.01 - —
l.c.l., works..gal.18.05 -18.19
tanks..gal.17.94 - —
absolute, dmz., c.l., works.gal.18.09 - —
l.c.l., works..gal.18.13 -18.17
tanks..gal.18.01 - —
Ethylhexyl, dmz., c.l., works.lb. .25 - —
l.c.l., works..lb. .29 - —
tanks, works..lb. .24 - —
Furfuryl, tech., cns., works.lb. .25 - —
dmz., c.l., works..lb. .32½- —
l.c.l., works..lb. .29 - —
tanks, works..lb. .19 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dmz., works..lb. .0960- —
tanks, works..lb. .0760- —
Isopropyl, refd., 91%, dmz., incl., c.l., divd..gal. .46½- .47
l.c.l., divd..gal. .42½- .44
tanks, divd..gal. .34 - .34½
99%, dmz., incl., c.l., divd..gal. .44 - —
l.c.l., divd..gal. .47 - —
tanks, divd..gal. .37½- —
Methyl (see Methanol).
Methylamyl (see Carbinol methylisobutyl).
Octyl, perfumer's grade, bots.lb. 4.00 - 4.25
Phenylethyl, dmz..lb. 2.90 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .62
Propyl, normal, dmz., works.gal. .97 - —
smaller containers, works, gal. .92 - —
tanks, works..gal. .89 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .35 - —
dmz., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis..lb. .39 - —
Allol, dmz., works..lb. .13 - .15
denaturing grade, dmz.....gal. 1.30 - —
Aletris root, bgs..lb. 2.35 - 2.50
Algarobilla, c.l., ex dock.... long ton. No prices
Algarobilla price based on ocean frt. at $13 and $1 insurance per long ton.
Algin, bbls., fb. dmz.....lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs..lb. .85 - .90
Allspice, Mexican, futures, bgs. lb. .19½- .20
Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works..lb. 1.05 - 1.10
Chloride, dmz., c.l., divd....lb. .13½- —
l.c.l., divd..lb. .14 - —
tanks, divd..lb. .12½- —
Aloe, Cape, cs..lb. .42 - .43
Curacao, kgs..lb. .42 - .43
Socotrine, kgs..lb. .47 - .48
Aloin, bbls., dmz., kgs..lb. 4.50 - 4.80
Alphanaphthol, bbls..lb. .58 - —
Alphanaphthylamine, bbls.....lb. .35 - —
Alphanaphthylthiourea, fb. dmz., works, frt. alld..lb. 4.00 - 4.40
Alphapicoline, rct. dmz., works, frt. equald.. .27½- —
Alphapinene, wks., South, tanks, gal. 1.15 - —
Alphaterpineol, dmz., c.l., works. lb. .1340- —
l.c.l., works..lb. .1390- —
tanks, works..lb. .1300- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .40 - .45
Alum, ammonia, bornt, USP, bbls., kgs..lb. .12 - .13
gran., bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works.... 100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
divd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
divd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .13½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd. .....100 lbs. 4.25 - 5.00
Alumina, classified, grade, grd., kgs., works..lb. .25 - .27
top grade, ground, kgs., works. lb. .26 - .27
unclassified, ground, kgs., works..lb. .16½- .19
Acetate, basic solution, 24%, bbls., l.c.l., works..lb. .20½- .19
20%, bbls., l.c.l., works.lb. .20½- .20
Chloride, anhyd., com'l, dmz., c.l., works..lb. .10 - .11
l.c.l., works.....lb. .10½- —
cryst., com'l, dmz., c.l., works. lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 22 deg., cryst., c.l., works..lb. .03½- —
l.c.l., works.....lb. .03¾- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-30° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi.lb. .09½- —
l.c.l., works, same basis, lb. .10 - —
Hydrate, heavy, bgs., c.l., works..lb. .03¾- .031
l.c.l., works.....lb. .035 - .040
light, bgs., divd.....lb. .14½- —
bbls., divd. .....lb. .15 - —
Hydroxide, gel tech., min. 13% Al ($Al(OH)_3$), dmz., 10,000 lbs. or more, f.o.b. ship't point..lb. .06 - .06¼
ton lots, same basis..lb. .06½- .06¾
smaller lots, same basis, lb. .08¾- .04
9-9½% Al_2O_3, fb. dmz., works. lb. .17½- —
contract, works.....lb. .16½- —
14-15% Al_2O_3, fb. dmz., wks..lb. .20½- —
contract, works.....lb. .19½- —
dried, USP XII, fb. dmz., works..lb. .75 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate)
USP IX, bbls., dmz.....lb. .15 - .17
Laurate, precip., bbls.....lb. .25 - .28
Naphthenate, 1.7% Al, 50-gal. dmz., works..lb. .19 - —
Oleate, dmz., contract.....lb. .24½- —
Resinate, precip., dmz.....lb. .19½- —
Stearate, precip., cts., c.l...lb. .42 - —
l.c.l. .....lb. .43 - .44
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.20
l.c.l., works, frt. equald.. 100 lbs. 1.40 - 1.60
bbls., c.l., works, frt. equald. 100 lbs. 1.25 - 1.40
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
Iron-free, bgs., c.l., works, 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate)
Aluminum, 96-98%, c.l.....lb. .15 - —
l.c.l. .....lb. .15 - .16
paste, lining, extra fine, 200-lb. dmz..lb. .80 - .90
ink, 150-lb. dmz.....lb. .75 - —
standard, 200-lb. dmz.....lb. .65 - —

Aluminum powder, lining, extra fine, 150-lb. dmz..lb. .93 - —
litho, 150-lb. dmz.....lb. .60 - —
standard, 200-lb. dmz..lb. .62 - —
rubber comp., 200-lb. dmz..lb. .42 - —
unpolished, stand., dmz...lb. .38 - —
varnish, stand., 300-lb. dmz.. lb. .42 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dmz., works..lb. .50 - .60
Aminopyrine, bots., dmz.....lb. 4.00 - 4.40
Ammonia acetate, reagent, crystals, bbls..lb. .24 - —
purified, bbls.....lb. .23 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton.50.00 - —
pure, cyls. .....lb. .14½- —
refrigeration, tanks, works.. ton.61.50 - —
Aqua, 26°, cbys.....lb. .06½- —
dmz., c.l. .....lb. .02½- —
l.c.l. .....lb. .03½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dmz., kgs., 4,000 lbs., up, frt. alld..lb. .42 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1315- —
Bicarbonate, dmz., c.l.....lb. .0564- —
Bichromate, bbls. .....lb. .23 - .25
Bifluoride, bbls. .....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1066- —
powd., bbls., kgs.....lb. .1130- —
Bromide, gran., NF, bbls.....lb. .28 - —
dmz. .....lb. .29 - —
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dmz.lb. .03½- .03¾
cns. .....lb. .14½- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dmz., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dmz. .....lb. .80 - .85
Fluoride, bbls. .....lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dmz.....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, jars.....lb. 3.90 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate, c.p., cryst., kgs.lb. 1.20 - 1.30
fine cryst., bbls., kgs.....lb. .64 - .67
purified, dmz. .....lb. 1.10 - 1.12
Nitrate, fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.52.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.35 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va..ton.32.50 - —
Oleate, dmz. .....lb. .14 - —
Oxalate, fine gran., bbls.....lb. .23 - —
dmz. .....lb. .25 - .29
Perchlorate, kgs. .....lb. No stocks
Persulphate, kgs. .....lb. .25½- .25½
Phosphate, dibasic, NF V, bbls., kgs..lb. .27 - .29
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works...lb. .07 - —
l.c.l., works.....lb. .07¾- .08¾
Salicylate, NF, dmz., kgs...lb. 1.15 - 1.16
Silicofluoride, bbls. .....lb. .15 - .16
Stearate, anhydrous, dmz...lb. .24 - —
paste, dmz. .....lb. .24½- —
Sulphamate, bbls., dmz., works. lb. .18 - .20
Sulphate, bulk, producing ovens..ton.30.00 - —
Sulphide, liquid, 40-45% basis 100%, dmz., c.l., works..lb. .09 - —
l.c.l., divd. .....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dmz., works.....lb. .04 - —
yellow, 33%, cbys., works..lb. .06 - —
dmz., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .57 - —
tech., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycolate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works.... 100 lbs. 5.80 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dmz., c.l., divd..lb. .25 - —
l.c.l., divd. .....lb. .25½- —
tanks, divd. .....lb. .24 - —
ex-pentane, dmz., c.l., frt. alld. E. of Miss R..lb. .191 - —
l.c.l., same basis.....lb. .201 - —
tanks, same basis.....lb. .181 - —
Alcohol (see Alcohol, amyl).
Butyrate, dmz. .....lb. .99 - 1.00
Chloride, mixed, tech., dmz., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .04 - —
Ether, dmz., c.l., works.....lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.85
Mercaptan, dmz., works.....lb. 1.10 - —
Salicylate, prime, bots.....lb. .83 - .85
Stearate, dmz., works.....lb. .42 - .45½
Anethol, com'l, dmz., works..lb. .627 - .685
NF, dmz. .....lb. 1.40 - 2.45
Angelica dom, atropurpurea root, bls..lb. 1.30 - 1.40
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .65 - .66
Anilin oil, dmz., c.l., works, frt. alld..lb. .12 - —
l.c.l., works, frt. alld...lb. .13 - —
tanks, works, frt. alld....lb. .11 - —
Salt, dmz., works.....lb. .22 - .24
Anise, Argentine, bgs.....lb. .42 - .43
Chinese, Star.....lb. .22 - .22½
futures .....lb. .40 - .41
Cyprus, bgs. .....lb. .45 - .46
Mexican, bgs. .....lb. .44 - .45
Syrian, bgs. .....lb. .44½- .45
Turkish, bgs. .....lb. No stocks
Anisic aldehyde, dmz.....lb. 2.60 - 2.90
cns., bots. .....lb. 2.90 - 3.25
Annatto, paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .14 - .14½
Anthracene, 80-85%, bbls., works. lb. .09 - —
90%, bbls., works.....lb. .31 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —

Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[6] bulk, c.l., works....lb. .29½- .30
Needle,[6] Bolivian, brown, 67% cs..lb. No prices
Chinese, black, 70%, cs....lb. No prices
Oxide,[6] ceramic grade, bgs., c.l..lb. .21½- .25½
l.c.l. .....lb. .21 - .26
paint grade, bgs., c.l.....lb. .21 - —
l.c.l. .....lb. .21½- —
Salt,[6] 65%, bgs., c.l., divd. E. of Miss. River..lb. No stocks
Sulphide,[6] 63-70%, bbls., c.l., works..lb. .17½- —
l.c.l., works.....lb. .20 - .21
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.22.20 -23.70
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .25 - .26
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols, min. 70%, bgs., shipment port, 100 kilos (100% purity)..35.00 -36.00
Arnica flowers, bbls.....lb. 1.00 Nom.
Arrowroot, powd., bgs., bbls..lb. .12 - .16
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., bbls., c.l.....lb. .06 - —
l.c.l. .....lb. .07 - .08
Asafetida, cs. .....lb. .65 - .70
powd., bbls., dmz..... .....lb. .72 - .77
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber,[1] 5D and 6K, bgs. c.l. (20 tons), Cana. mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (20 tons), same basis..ton.32.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dmz., c.l.....ton.38.40 - —
l.c.l. .....ton.41.40 - —
Cuba, A, bulk, c.l.....ton.60.00 - —
l.c.l. .....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l. .....ton.55.00 - —
Egyptian .....ton. No stocks
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton.30.00 -32.00
270-296° fusing point, bgs., mines..ton.30.50 - —
seconds, 300-320° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dmz., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dmz., f.o.b. Tampico, Mex.metric ton.27.50 - —
South American, refd., dmz., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -26.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz. 9.85 - —
Sulphate, bots.....oz. 7.85 - —

B

Balm of Gilead buds, bgs.....lb. 2.25 - 2.50
Barbasco root (see Cube root).
Barberry root bark, bgs.....lb. .73 - .80
Barbital, dmz. .....lb. 2.50 - 2.60
sodium, dmz. .....lb. 2.75 - 2.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.42.00 - —
precip., bgs., c.l., works..ton.68.00 -70.00
l.c.l., works .....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works .....ton.70.00 -80.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .13
tech., cryst., bgs., c.l., works. ton.72.00 - —
l.c.l., works .....ton.78.00 - —
bbls., c.l., works.....ton.76.00 - —
l.c.l., works .....ton.80.00 - —
Dioxide, dmz., c.l., works.....lb. .10 - —
l.c.l., works .....lb. .12 - .13
Fluoride, bbls. .....lb. .18 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07¼
Hydroxide, bbls., works.....lb. .15 - .16
Iodide, bots. .....lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works....lb. .09¾- .11½
l.c.l., works .....lb. .10 - .11½
Oxide, dmz., c.l., works.....lb. .11½- .12
l.c.l., works .....lb. .14 - .16
grd. dmz., l.c.l., works.....lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls. .....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .50 - —
smaller lots.....lb. .51 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls. .....lb. .09¾- .10
kgs. .....lb. .12 - —
Barytes, water-grd., paper bgs., c.l., St. Louis.....ton.31.10 - —
l.c.l., same basis.....ton.32.10 - —
ex whse., N. Y.....ton.41.95 - —
Southern, off-color, bgs., mines ton.19.00 - —
95.75%, bgs., mines.....ton.20.00 - —
Ore, approx. 94% $BaSo_4$, bulk, mines..ton. 8.50 -12.50
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 2.80 Nom.
Root, bls. .....lb. 2.80 Nom.
Bauxite, bulk, mines.....ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works....ton.14.00 - —
Benzaldehyde, NF, dmz.....lb. .70 - 1.20
tech., cbys., dmz.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .76 - —
Benzocaine, cns. .....lb. 2.50 - 2.85
Benzol (benzene), pure, nitration and 90%, dmz., works, frt. alld. up to 2c..gal. .22 - —
tanks, E. of Omaha, same basis..gal. .17 - —
W. Coast, Minnesota, Colo., same basis..gal. .17 - —
Benzophenone, dmz.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .25 - .28
Peroxide, pure, gran., fib. ctns., works..lb. .90 - 1.05
Benzyl acetate, f.f.c., cns.....lb. .55 - .70
dmz. .....lb. .55 - .60
Alcohol (see Alcohol, benzyl).
Chloride, tech., cbys. works, frt. equald..lb. .20 - —
refined, cbys.....lb. .21 - —
Cinnamate, cns. .....lb. 4.00 - 6.25
Formate, cns. .....lb. 2.10 - 2.50
Propionate, bots. .....lb. 1.80 - 2.45
Salicylate, bots.....lb. 1.90 - 2.10

Benzylidinacetone, bots.....lb. 2.85 - 3.70
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns. .....lb. No stocks
Berberis root, bls.....lb. .80 - .85
Betanaphthol, resublimed, dmz., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .21 - —
l.c.l., works.....lb. .23 - —
Benzoate, fib. dmz., works...lb. 1.75 - —
Salicylate, dmz.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .80 - —
Betagammapicoline, dmz., c.l., works..lb. .24½- —
l.c.l., works .....lb. .25 - —
Betapicoline, 90%, ret. dmz., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.65 - —
95%, dmz., works.....lb. 2.05 - —
98-99%, works .....lb. 2.20 - —
Beth root, bls.....lb. .45 - .50
Bismuth chloride, jars.....lb. 4.75 - —
Citrate, USP VIII, jars.....lb. 2.97 - —
Hydroxide, cns.....lb. 3.53 - —
Metal, ton lots .....lb. 1.60 - —
Nitrate, cryst., cns.....lb. 1.60 - —
Oxychloride, cns., dmz., kgs.lb. 3.60 - —
Subcarbonate, USP, bbls., dmz. lb. 2.40 - —
Subgallate, NF, fib. dmz....lb. 2.35 - —
Subiodide, fib. dmz.....lb. 4.15 - —
Subnitrate, USP, powd., bbls., dmz..lb. 2.60 - —
Subsalicylate, USP, bbls., fib. dmz...lb. 2.90 - —
Sulphocarbolate, fib. dmz....lb. 4.05 - —
Bismuth-ammonia citrate, USP, powd., dmz..lb. 3.70 - —
Black, acetylene, bgs., c.l., works. lb. .14 - —
l.c.l., works.....lb. .15 - —
Bone 1A, bgs., bbls., c.l., frt. alld. dest..lb. .19 - —
1, bgs., bbls., c.l., same basis. lb. .15½- .16½
2 bgs., bbls., c.l., same basis. lb. .18 - .18½
3 bgs., bbls., c.l., same basis. lb. .14 - .14½
4, bgs., bbl., c.l., same basis. lb. .12 - .13
5, bgs., bbls., c.l., same basis. lb. .10½- .11
6, bgs., bbls., c.l., same basis. lb. .10½- .11
457, bgs., bbls., c.l., same basis..lb. .11¾- —
7, bgs., bbls., c.l., same basis. lb. .13½- .14
8, bgs., bbls., c.l., same basis. lb. .14½- .15
499A, bgs., bbls., c.l., same basis..lb. .09½- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon, channel, compressed, beads, bulk, c.l., works. lb. .05½- —
bgs., c.l., works.....lb. .05¾- —
l.c.l., works.....lb. .06½- —
divd. or whse.....lb. .0970- —
uncompressed, regular, bgs., c.l., works..lb. .06½- —
bgs., ctns., l.c.l. divd. or whse..lb. .1030- —
furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works...lb. .03½- —
ctns., l.c.l., whse.....lb. .06 - —
Thermatomic, bgs., c.l., works, La...lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .06½- —
Lamp, 1, ctns., c.l., works...lb. .05½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .25 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .27½- —
l.c.l., works.....lb. .28½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04½- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05½- —
kegs .....lb. .09 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .32 - .34
Tree bark, bls.....lb. .35 - .40
Black Indian hemp root, bls..lb. .52 - .60
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis....ton.42.50 - —
Bleaching powder,[2] dmz., c.l., works..100 lbs. 2.60 - 2.10
l.c.l., works.....100 lbs. 2.75 - 2.90
Blood, dried, 16-16¼% ammo., bgs..unit-ton. 2.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton. 2.60 - —
soluble, bgs., c.l., Chicago..lb. .12½- —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .65 - .80
Blue, alkali, dry, bbls., divd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - —
toner bbls., same basis....lb. 1.10 - —
Celestial, bbls., same basis..lb. .10 - .12
Chinese, bbls., same basis..lb. .26 - —
Cobalt, genuine, bbls., same basis..lb. 4.00 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, full strength, bbls., same basis, lb. 2.50 - 2.75
80%, bbls., same basis..lb. 2.00 - —
green shade, bbls., same basis, lb. 4.00 - 4.50
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .24 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .22 - —
permanent toner, green shade, molybdic, bbls., same basis, lb. 3.50 - —
tungstic .....lb. 4.00 - —

TARTARS*

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Rochelle Salts

Tartaric Acid

WILLIAM D. NEUBERG COMPANY

Chemicals

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Blue, potash, CP, bbls., same basis..lb. .45½- —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis.lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .13 - .18
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls. .....lb. 3.30 - 3.55
ink toner, bbls., same basis. lb. 1.33 - —
synthetic vehicle, bbls., same basis..lb. 1.96 - —
Violet toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —

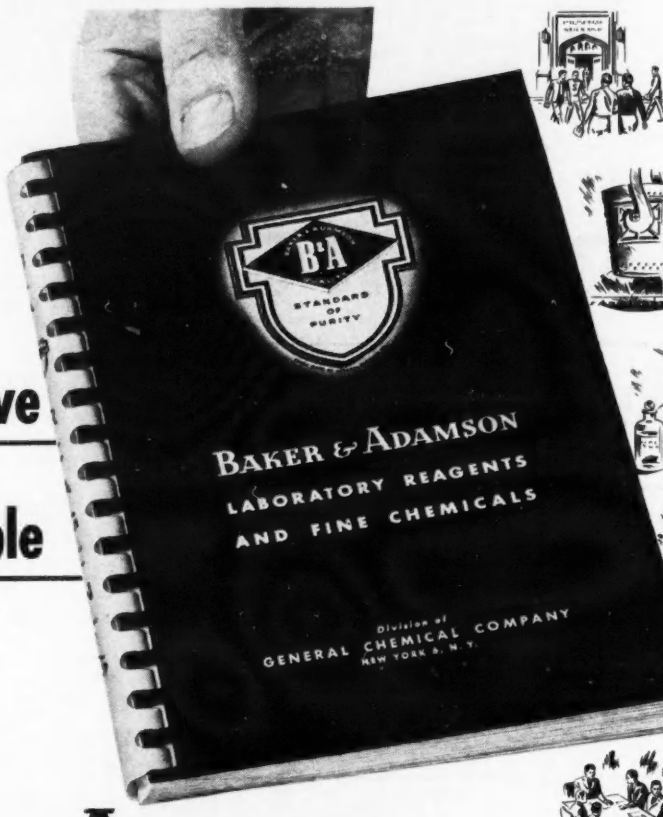
Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blues dyes are listed under Dyes.

Blue mass, NF, cns., tube....lb. 1.58 - 1.75
ocwd., bots., cns., dms.....lb. 1.61 - 1.75
Bluedag, root, bls.....lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls.....lb. .11 - .12
Bone, raw, bulk, Chicago....ton.75.00 - —
junk, bulk, same basis....ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.65.00 - —
Chicago, works....ton.75.00 - —
Bone meal, steamed, feeding grade, 1% ammon., 60% phos., kgs., E. works.. ton.70.00 - —
Chicago, works....ton.80.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.60.00 - —
Chicago, works....ton.60.00 - —
Phosphate, defluorinated (see D.).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls. .....lb .16 - .17
Borage flowers, bls. .....lb. .60 - .62
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.44.50 -47.50
bgs., c.l., frt. alld....ton. — - —
ton lots, ex whse....ton. — - —
less ton lots, ex whse.ton. — - —
bbls., c.l., frt. alld....ton. — - —
ton lots, ex whse....ton. — - —
less ton lots, ex whse.ton. — - —
powd., bgs., c.l., frt.alld.. ton. — - —
ton lots, ex whse....ton. — - —
less ton lots, ex whse.ton. — - —
bbls., c.l., frt. alld....ton. — - —
ton lots, ex whse....ton. — - —
less ton lots, ex whse.ton. — - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11¼- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis.lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cns., dms., works..lb. .50 - .60
gold, moulding, 100-lb. cans, dms., same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .95 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls. .....lb. .29 - .30
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bgs., c.l., works.lb. .02½- .02¾
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., l.c.l., same basis. lb. .03½- —
Italian type, bbls., works. lb. .08¾- .09¾
raw, American, bgs., l.c.l., works..lb. .03½- —
Italian type, bbls., works. lb .08 - .10
Umber, burnt, American, bbls., works..lb. .08¾- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bgs., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .05 - —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05½- —
Minneapolis .....lb. .0560- —
Pittsburgh .....lb. .05¼- —
Los Angeles.....lb. .06⅛- —
Portland, San Francisco, Seattle..lb. .05¾- —
ex whse., Los Angeles. lb. .06⅛- —
Portland, San Francisco, Seattle..lb. .06 - —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .38 - .42
Sulphate, cns., 100 ozs.....oz. .32 - .34
Bryonia root, bls.....lb. .55 - .60
Buchu leaves, bls. .....lb. .80 - .85
Buckthorn bark, bls.....lb. .38 - .40
cut and sifted, bbls.....lb. .52 - .55
Berries, bgs. .....lb. 1.00 - 1.10
Burdock root, bls.....lb. .55 - .65
Burgundy pitch, dom., dms., wks., South..100 lbs. 8.71 - 9.21
Butane, indust., tanks, Group 3. gal. .06¼- —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss R..lb. .26 - —
l.c.l., same basis..lb. .26½- —
tanks, same basis...lb. .25 - —
tankwagon, same basis. lb. .25½- —
other production, dms., c.l., same basis..lb. .27 - —
l.c.l., same basis....lb. .27½- —
tanks, same basis....lb. .26 - —
synthetic, dms., c.l., same basis..lb. .15½- —
l.c.l., same basis..lb. .16 - —
tanks, same basis...lb. .14½- —
secondary, dms., c.l., divd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works .....lb. .16½- —
tanks, works .....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .38 - —
l.c.l., same basis.....lb. .38½- —
tanks, same basis.....lb. .37 - —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works....lb. .24 - —
l.c.l., works .....lb. .24½- .25½
Phenylacetate, dms. .....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., divd.....lb. .16½- .17
tanks, divd. .....lb. .15½- —
Stearate, dms., l.c.l., frt. alld. E. of Rockies..lb. .47 - —
Butyric ether, bots. .....lb. 6.50 - 6.90
cns., works .....lb. .65 - .70
dms., works .....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, cns.....lb. 4.48 - 4.49
Lithopone (see Yellow).
Metal,[3] ingots or sticks, divd. lb. 1.55 - —
pat. shapes, cs., divd.....lb. 1.55 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, dms., 100 lbs. or more. lb. 3.75 - 7.00
anhydrous, dms., 100 lbs. or more..lb. 4.00 - —
Citrated, dms., 100 lbs. or more, lb. 2.50 - —
Hydrobromide, bots. .....lb. 5.91 - 5.99
Calabar beans, bgs., futures. lb. .85 - .90
Calamus root, natural, dom., bls. lb. .45 - .50
imported, bleached, bls..lb. .70 - .85
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .13 - —
Calcium acetate, bgs., divd.... 100 lbs. 2.00 - 4.00
Arsenate, dealers, dms., c.l., whse., wks., frt. alld..lb. .05½- —
l.c.l., same basis.....lb. .09 - —
Bromide, N.F., jars.....lb. .65 - .70
Carbide, dms., c.l., works..ton.80.00 - —
divd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .38 - .80
flake, 77-80%, paper bgs., c.l., divd..ton.18.50 -42.00
l.c.l., divd.....ton.28.50 -51.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., divd. ton.18.00 -37.50
l.c.l., divd.....ton.28.00 -50.00
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $5.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP and AA grade, pound bbls., dms.....lb. .58 - .65
dms. .....lb. .63 - .72
cns. .....lb. .76 - .83
Glycerophosphate, fiber dms., N.F., pound, fib. dms..lb. 1.90 - —
Hypochlorite, dms., divd. E. of Rockies..lb. .22 - .26½
cans, in cases, same basis..lb. .3776- .4226
Iodide, jars.....lb. 4.12 - —
Lactate, USP, bbls.....lb. .33 - .40
Laurate, bbls.....lb. .28 - .30
Mandelate, USP, dense, fluffy, works, dms..lb. 2.05 - 2.30
Naphthenate, 5% Ca, 50-gal. dms..lb. .23½- .30½
Panthothenate, doz., 100-gram bots, works..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0680
Resinate, precip., 5.5% Ca, 100-lb. dms..lb. .19 - —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., cns., 2,000 lbs. to c.l., works..lb. .47 - —
less than ton lots, works.lb. .48 - —
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works...ton.80.00 - —
luminous, tins, works....lb. 1.25 - —
Sulphocarbolate, bbls. .....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .15¾- .16¼
Calcium-strontium sulphide, phosphorescent, dms., works.lb. 1.00 - 1.30
fine particle size, works. lb. 1.80 - 1.75
Calendula flowers, bls.....lb. 1.15 - 1.20
Calomel, bbls., dms.....lb. 2.45 - 2.65



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Camphor, natural	lb.	No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works	lb.	.54 - —
10 bbls. (1,500 lbs.)	lb.	.56½- —
5 to 9 bbls.	lb.	.57 - —
1 to 4 bbls.	lb.	.58 - —
smaller lots	lb.	.60 - .67
USP, gran., powd., bbls., 2,000-lb. lots	lb.	.61 - —
1,000-lb. lots	lb.	.82 - —
smaller lots	lb.	.83 - —
tablets, 2,000-lb. lots	lb.	.94 - —
1,000-lb. lots	lb.	.95 - —
smaller lots	lb.	.96 - —
Canada balsam (see Fir balsam).		
Cantharides, Russian, bgs.	lb.	3.00 Nom.
Chinese, cs.	lb.	5.85 - 6.00
powd., bxs.	lb.	6.25 - 6.30
Capsicum (see Pepper, red).		
Capsicum oleoresin, USP VII, cns.	lb.	4.50 - 4.65
Caramel coloring, bbls.	gal.	.70 - 1.10
Caraway seed, California, Dutch type	lb.	.35½- .36
Caraway seed, Danish, bgs.	lb.	.25½- .26
Dutch, bgs.	lb.	.25⅝- .26⅛
futures, bgs.	lb.	.26 - .26⅛
Roumanian, bgs.	lb.	.22 - —
Spanish, dewhiskered, bgs.	lb.	No stocks
Swedish, bgs.	lb.	.23½- .24
Syrian, dewhiskered, bgs.	lb.	No stocks
Carbazole, 95%, dms., ton lots, works	lb.	.81 - —
smaller lots, works	lb.	.91 - —
92%, dms., ton lots, works	lb.	.75 - —
smaller lots, works	lb.	.85 - —
Carbinol, butyl, norm. dms., l.c.l., works	lb.	.37 - —
secondary, dms., l.c.l., works	lb.	.66 - —
Isobutyl, dms., c.l., works	lb.	.23½- —
l.c.l., works	lb.	.23½- —
tanks, works	lb.	.21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works	lb.	.11⅝- —
l.c.l., same basis	lb.	.12½- —
tanks, same basis	lb.	.10⅝- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R.	lb.	.05 - —
l.c.l., same basis	lb.	.05¾- —
6-gal. dms., c.l., same basis	lb.	.07 - .07⅛
l.c.l., same basis	lb.	.08 - .08⅛
Dioxide, cyls.	lb.	.06 - .06
Tetrachloride, c.p., dms., c.l.	gal.	.96 - —
l.c.l.	gal.	1.04 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld.	gal.	.73 - —
l.c.l., frt. alld.	gal.	.80 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.10 - —
l.c.l., frt. alld.	gal.	1.20 - —
Zone 2, 52½-gal. dms., c.l., frt. alld.	gal.	.80 - —
l.c.l., frt. alld.	gal.	.87 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.04 - —
l.c.l., frt. alld.	gal.	1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld.	gal.	.90 - —
l.c.l., frt. alld.	gal.	.98 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.13 - —
l.c.l., frt. alld.	gal.	1.23 - —
Zone 4, 53½-gal. dms., c.l.,	gal.	.79 - —
l.c.l., frt. alld.	gal.	.86 - —
5 or 10-gal. dms., c.l.	gal.	1.08 - —
l.c.l.	gal.	1.13 - —
USP, chys.	lb.	.17 .19

Carbon tetrachloride prices are frt. alld with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings

Cardamom, bleached, bold, cs.	lb.	1.75 - 1.80
medium, cs.	lb.	1.55 - 1.60
decorticated, Guatemala, cs.	lb.	1.40 - 1.45
India, cs.	lb.	1.45 - 1.50
green, Alleppey, bgs.	lb.	1.05 - 1.10
Carotene, cryst., 1,850,000 A units per gm., tins, works, 1,000,000 units		.80 - —
research grade (alpha, 10%; beta, 90%), amps. 100 grams, dlvd.	gram	2.85 - —
50 grams, dlvd.	gram	2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works	lb.	27.00 - —
50,000 USP units per gm., bots., works.	lb.	5.43 - —
dms., works	lb.	7.65 - —
3,500 A units per gm., tins, works, 1,000,000 units		.55 - —
dms., works, 1,000,000 units		.60 - —
2,300 USP units per gm., dms., works.	lb.	.66 - .71
Carvel, bots.	lb.	14.75 -22.50
Cascara sagrada bark, bulk	lb.	.40 - .43
Case-hardening mixture, 99% gran., dms., l.c.l.	lb.	.09¾- —
slabs, dms., l.c.l.	lb.	.08¾- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point	lb.	No prices
2,000 lbs. or more, but under 10,000 lbs., same basis	lb.	No prices
less than 2,000 lbs., same basis	lb.	No prices
rennet-precip., 10,000 lbs. or more, same basis	lb.	No prices
2,000 lbs. or more, but under 10,000 lbs., same	lb.	No prices
less than 2,000 lbs.	lb.	No prices
imp., acid-precip., ground, bgs., 100 bgs. or more	lb.	No prices
rennet-precip., unground, 100 bgs. or more	lb.	No prices
Cassia, Batavia No. 1, Thinquill bls.	lb.	.60 Nom.
No. 1, regular, bls.	lb.	Nominal
shortstick, bls.	lb.	.50 Nom.
broken, bls.	lb.	.48 Nom.
China buds, bgs.	lb.	.26 - .27
rolls, selected, cs.	lb.	.14 - .14½
extra select, broken, bls.	lb.	.12½- .13
Kwangsi, broken, bls.	lb.	.15½- .16
Saigon, all medium	lb.	.39 - .40
4-10-4, bls.	lb.	.38 - .39
Cassia fistula, bskts.	lb.	.26 - .29
Castor bean, bgs., Brazilian ports,	long ton.	250.00 -255.00
Oil (see Oil, castor).		
Pomace, bgs., c.l., works	ton.	35.00 -37.50
Castoreum, nat., cns.	lb.	8.00 -12.00
synthetic, cns.	lb.	10.00 -21.00

Catechol, CP, cryst., works, fib. dms., frt. alld.	lb.	1.90 - —
resublimed, works, frt. alld., dms.	lb.	2.25 - —
Catnep, bls.	lb.	.05 - .70
Celery seed, French, bgs.	lb.	.50 Nom.
Indian, bgs.	lb.	.24½- .25
Celluloid scrap (see Pyroxylin scrap).		
Cellulose acetate, flake, ctns., works, frt., alld. on 100 lbs. or more	lb.	.36 - —
granules, ctns., same basis	lb.	.42 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.51 - —
1,000-4,900 lbs. frt. alld.	lb.	.52 - —
50-lb. ctns., 100-900 lbs., frt. alld.	lb.	.53 - —
smaller pkgs., works	lb.	.54 - —
medium (15.5 or 17.0%), 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.49 - —
1,000-4,900 lbs., frt. alld.	lb.	.50 - —
100-900 lbs., frt. alld.	lb.	.51 - —
smaller pkgs., works	lb.	.52 - —
Granules are 6c. per lb. higher, all quantities.		
Acetate-propionate, flake, high (31.5% propionyl content), 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.45 - —
1,000-4,900 lbs., frt. alld.	lb.	.46 - —
100-900 lbs., frt. alld.	lb.	.47 - —
smaller pkgs., works	lb.	.48 - —
Granules are 5c. per lb. higher all quantities.		
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.49 - —

Cerium hydrate, dms., works	lb.	1.09 - —
Oxalate, NF, bbls., kgs., works	lb.	.50 - .52
Oxide, optical grade, kgs., 100-lb. lots, works	lb.	1.75 - —
bgs., smaller lots, works	lb.	2.25 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works	lb.	.92½- —
paint and other industries, bgs., c.l., works	ton.	40.00 - —
papermakers, bgs., c.l., works	ton.	32.50 -40.00
rubbermakers, bgs., c.l., works	ton.	30.00 - —
Chamomile, Hungarian, cs., futures	lb.	.70 - .75
Roman, bls., futures	lb.	1.55 - 1.60
Charcoal, hardwood, lump, bulk, c.l., works	ton.	43.50 - —
bur, bgs., extra, returnable, c.l., works	ton.	45.50 - —
briquets, bulk, c.l., works	ton.	61.70 - —
bgs., c.l., works	ton.	66.70 - —
granular, all grades, bgs., works	ton.	58.50 -64.50
screenings, bgs., works	ton.	33.50 - —
Pinewood,[1] lump, bgs., c.l., Southern shipping point	ton.	35.00 —
granular, powd., bgs., c.l., works, South.	ton.	40.00 - —
l.c.l., works	ton.	50.00 -60.00
Willow, powd., bbls.	lb.	.02 - .07
Chestnut extract, standard 25% tannin, bbls., c.l., works.	100 lbs.	3.82 - 4.60
l.c.l., works	100 lbs.	4.07 - 4.85
tanks, works	100 lbs.	3.22 - 4.00
powdered, 65% tannm, bags extra, c.l., works	100 lbs.	9.02 - 9.96
l.c.l., works	100 lbs.	9.77 -10.71

China clay, dom., dry-grd., air-float, 99.75%, 200 mesh, bgs., c.l., works	ton.	12.00 - —
l.c.l., works	ton.	16.00 - —
bulk, c.l., works	ton.	9.00 - —
200 mesh, bgs., c.l., works	ton.	12.00 - —
l.c.l., works	ton.	9.50 -15.50
wet-grd., silk-bolt, 99¼%, 325 mesh, bulk, c.l., works	ton.	9.50 - —
paper bgs., c.l., works	ton.	12.50 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila.	ton.	20.00 -22.00
powd., cks., l.c.l., ex whse.	ton.	45.00 - —
Chloral hydrate, jars	lb.	.93 - .98
dms.	lb.	.90 - .95
Chlorinated rubber, standard, ctns., 100 lbs. up, works	lb.	.32 - —
smaller lots, works	lb.	.35 - —
1-lb. bots., ex whse.	lb.	1.25 - —
Chlorine, liquid, cyls., c.l.	lb.	.05¼- —
contracts	lb.	.05¼- —
l.c.l.	lb.	.07¼- —
tanks, single units, works, frt. equald.	100 lbs.	2.00 - —
works, frt. equald.	100 lbs.	2.50 - —
2, wks., frt. equald.	100 lbs.	2.90 - —
1, wks., frt. equald.	100 lbs.	3.50 - —
Chloroform, tech., dms.	lb.	.20 - .22
USP, dms.	lb.	.80 - .82
Chloropicrin, com'l, 100 lb. cyl., 100-lb. cyls., same basis	lb.	.82 - —
25-lb. cyls., ex whse.	lb.	1.00 - —
1-lb. bots., ex whse.	lb.	1.25 - —
Choline chloride, 5lb. dms., works	lb.	3.00 - 3.10
feed grade, fib. dms., works	lb.	2.00 - —
Dihydrogen citrate, 2lb. dms., works	lb.	3.00 - 3.10

Spot Deliveries

RESORCINOL U.S.P.

Recrystallized

BENZYL CINNAMATE
CINNAMIC ACID
PHOSPHORIC ACID 75% Edible Food Grade
PHOSPHORIC ACID U.S.P. Syrupy
MAGNESIUM METAL POWDER High Purity
HEAVY CALCINED MAGNESIA White
BORIC ACID
PHOSPHORUS Red Amorphous
SODIUM PERBORATE U.S.P.
CHROMIC ACID
TARTARIC ACID, U.S.P.

—OTHER SPECIAL PRODUCTS—

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Chrome acetate, powd., 79% Cr., bbls., works..lb. .22 - .24
ton lots, works..lb. .20 - .22
sulut., 7½%, bbls., cs.....lb. .09½- —
8½%, bbls., cs.....lb. .09½- —
Fluoride, bbls., works.....lb. .24 - .27
Oake, bulk, c.l., works.....ton.18.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bsns. .....lb. 6.02 - 6.60
Cinchona bark, red, quill, USP, 10 in., can..lb. 1.20 Nom.
Cinchonidine, small, cryst., cns., 100 cns..cs. No prices
Cinchonine, small, cryst., cns., 100 cns..cs. No prices
large, cryst., cns., 100 cns..cs. No prices
Sulphate, NF, cns., 100 cns..cs. No prices
Cinchopon, NF, heavy, dms., works..lb. 2.70 - 2.80
standard, dms., works.....lb. 2.80 - 2.90
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms..lb. .82 - 1.25
Cinnamon, Ceylon, No. 2, bls., futures..lb. 1.28 - 1.30
Citral, bots., cns.....lb. 7.25 - 8.65
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. 5.70 -12.50
Clove, Madagascar, bls.....lb. .13 - .13½
futures, bls. .....lb. .12½- .12¾
Zanzibar, bls. .....lb. .12½- .10
futures, bls. .....lb. .12¾- .12¼
Clover tops, red, dom., bgs....lb. .70 - .75
imported, bgs. .....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.50 - —
l.c.l., works.....bbl. 9.00 - —
tanks, works.....gal. .06 - .06½
refd., 50-gal., bbls., c.l., works, bbl. 9.00 - —
l.c.l., works.....bbl. 9.50 - —
tanks, works.....gal. .09 - .09½
water-gas, crude, 55-gal. dms., c.l., works..bbl. 8.50 - —
l.c.l., works.....bbl. 9.00 - —
refd., 55-gal. dms., c.l., works, dm. 9.00 - —
l.c.l., works.....dm. 9.50 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. .62½- —
feed grade, 25½% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.32 - —
feed grade, 49½% Co, kgs..lb. 1.85 - —
Chloride, kgs., works.....lb. .67½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 6%, dms...lb. .60 - —
solid, 8½%, dms.....lb. .67 - —
Nitrate, feed grade, 20.6% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .32½- —
Soyate, 8%-8.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .53 - .54
silver, Teneriffe, bgs.....lb. .54 - .55
Cocoa butter, bulk, ship. pt...lb. .28 - —
Cocillana bark, bgs.....lb. .53 - .54
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .24 - .25
blue, bls.....lb. .24 - .25
Colchicine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .24 - —
Flexible, USP, dms.....lb. .25½- —
Colocynth pulp, bls.....lb. .52 - .58
Colombo root, bls.....lb. .14 - .15
Coltsfoot leaves, bgs.....lb. .57 - .60
Condurango bark, bgs., futures. lb. .20 - .20
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. 1.45 - 1.50
Copper acetate, cupric, bbls., works..lb. .25¼- —
smaller containers, wks..lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .23 - .24
Chloride, anhyd., bbls.....lb. .25½- —
crystals, bbls.....lb. .17 - —
Cyanide, tech., bbls.....lb. .54 - .58
Hydrate, dms.....lb. .24½- —
Metal, electrolytic.....lb. .19½- —
Naphthenate, 8% Cu, 50-gal. dms..lb. .19 - —
Nitrate, tech., cryst., bbls., wks..lb. .19½- .20½
Oleate, precip., bbls.....lb. .23½- .23¾
Oxide, black, bbls., works....lb. .25 - —
red, com'l, bbls., works....lb. .26 - —
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
bgs..lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .20½- —
Stearate, bgs., works.....lb. .35½- —
Sulphate, 99%, cryst., bgs., c.l., works..100 lbs. 7.10 - —
l.c.l., 700 to 30,000 lbs., 100 lbs. 7.25 - —
monohydrated, dms., c.l., dlvd. 100 lbs.12.10 - —
l.c.l., dlvd.....100 lbs.12.95 - —
tribasic, bgs., works, c.l...lb. .20½- .21½
l.c.l., same basis.....lb. .21½- .22
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton.26.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra,[7] c.i.f. Pacific ports...ton.205.00 - —
c.i.f. Atlantic or Gulf ports.. ton.207.00 - —
Coriander seed, Argentine, bgs., lb. .07 - .07½
Indian, bgs. .....lb. No stocks
Italian, bgs. .....lb. .06¾- .07
Morocco, bgs.....lb. .10½- .11
Corn silk, bls.....lb. .70 - .71
Corn sugar, tanners, chipped, bgs., c.l., 60,000 lbs. min. 100 lbs. 4.37 - —
bbls., c.l., same basis..... 100 lbs. 4.41 - —
Syrup, 42°, bbls., c.l....100 lbs. 4.72 - —
l.c.l. .....100 lbs. 4.87 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .40 - .45
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.25 - —
Meal, 41% protein, bulk, mills, c.l..ton.80.00 -85.00
Coumarin, cns., 5 lbs. or more. lb. 2.75 - 2.85
smaller lots.....lb. 2.90 - 2.80
Cramp bark, NF, bls.....lb. .80 - .90
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .45½- —
smaller lots, bbls., kgs., lb. .46 -.46½

Creosote carbonate, bots., cbys., lb. 2.10 - 2.20
Coaltar (see Cresol)
Oil, coaltar, crude, tanks works..gal. .16½- —
refined, dms., c.l., works, gal. .30 - .30½
l.c.l., same basis....gal. .29 - .31
tanks, same basis....gal. .19 - —
solution, tanks, works....gal. .15 - —
Wood beech, bots., cbys.....lb. .95 - 1.04
Hardwood, N.F., bots., cbys.lb. .60 - .77
Pine, dms.....gal. .31 - .33
Cresol, special resin grades, dms., c.l., works, frt. equald. lb. .12½- .13¾
l.c.l., same basis.....lb. .13 - .13¾
tanks, same basis.....lb. .11¾- .12
USP, dms., c.l., same basis..lb. .12¾- —
l.c.l., same basis.....lb. .14¼- —
tanks, same basis.....lb. .13 - —
Croton aldehyde, 91-93%, 55 and 110 gal. dms., l.c.l., works lb. .13½- —
5 and 10-gal. dms., l.c.l. works..lb. .17 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R...lb. .06½- —
l.c.l., works.....lb. .09½- —
Cube root, 5% rotenone, bbls., works..lb. .45 - —
4% rotenone, bbls., works..lb. .36 - —
Cubeb berries, XX, bgs.....lb. 1.35 - 1.36
powd., cs. .....lb. 1.45 - 1.46
Culvers root, bls.....lb. .40 - .45
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .44 - .45
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. .41 - .42
Syrian, bgs.....lb. .40 - .41
Cutch, bgs. .....lb. No stocks
Cyanamide[8] fertilizer mixing grades, guaranteed 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.85 - —
21% N., pulv., bgs., same basis..unit-ton. 1.75 - —
Cyclohexane, tech., dms, c.l., works..lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, 99%-100%, dms., works..lb. .21 - .22
Cyclohexanone, 97½% min., dms., c.l., works..lb. .20 - .22
tech., dms., c.l., works....lb. .20 - —
l.c.l., works.....lb. .20½- —
tanks, works.....lb. .19 - —
Cyclopropane, USP, cyls. dlvd., gal. .27 - —

D

Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .75 - .80
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, works...lb. .52 - .60
Decanol, normal, tech., dms., dlvd..lb. .33 - —
Deertongue, bls. .....lb. .34 - .35
Defluorinated phosphate, paper bgs., works..ton.35.75 - —
Degras, common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .23 - .24
over 2% ffa, bbls.....lb. .21 - .22
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l. 100 lbs. 5.55 - —
l.c.l. .....100 lbs. 5.70 - —
Chicago, bgs., c.l....100 lbs. 5.15 - —
Corn, canary, bgs., c.l..100 lbs. 5.29 - —
l.c.l. .....100 lbs. 5.44 - —
Chicago, bgs., c.l..100 lbs. 4.89 - —
dark, bgs., c.l.....100 lbs. 5.39 - —
l.c.l. .....100 lbs. 5.54 - —
Chicago, bgs., c.l..100 lbs. 4.99 - —
white, bgs., c.l.....100 lbs. 5.14 - —
l.c.l. .....100 lbs. 5.29 - —
Chicago, bgs., c.l..100 lbs. 4.74 - —
Dextrin prices above are for paper bags; cotton bags quoted 20c. higher.
Potato, dom., bgs., c.l.....lb. .10 - .10¼
l.c.l. .....lb. .10½- .11
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots....lb. 5.20 - 5.60
laboratory grade, bots. ..... 100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate, dms., tanks.....lb. No prices
Dianisidine, dms.....lb. 1.33 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .12
nat., bgs., c.l., Pacific coast. ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic coast..ton.55.00 -60.00
l.c.l., ex whse.....ton.85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .05 - —
l.c.l. .....lb. .06 - —
Dibutyl phthalate, 5-gal. cns., frt. alld. E. of Rockies..lb. .23½- —
1-gal. cns., same basis....lb. .25½- —
dms., c.l., same basis.....lb. .29 - —
l.c.l., same basis.....lb. .29½- —
tanks, same basis.....lb. .28 - —
Sebacate, dms., c.l., works..lb. .5570- —
l.c.l., works.....lb. .5620- —
tanks, works.....lb. .5470- —
Tartrate, dms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .06 - —
l.c.l., works.....lb. .09 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis .....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, dms., l.c.l..lb. .40 - —
Oxalate, dms., c.l.....lb. .33 - —
l.c.l. .....lb. .33½- —
tanks .....lb. .32 - —
Phthalate,[6] dms., c.l., dlvd..lb. .28 - .33
tanks, dlvd. .....lb. .27 - .27
Sulphate, dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .54 - —
l.c.l., works.....lb. .56 - —
tanks, works.....lb. .50 - —
Diethylaminoethanol, dms. l.c.l., works, frt. alld. E. of Miss. R...lb. .75 - —
Diethylaniline, dms.....lb. .42 - —
Diethylenegiycol, dms., c.l., frt. alld. in E...lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —

Diethyleneglycol monobutylether, dms., c.l., works..lb. .23 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .13½- —
l.c.l., works.. .....lb. .15½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. 1.05 - 1.15
Diglycol laurate, dms.....lb. .21 - .22
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .23 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met..lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.10
Di-isobutyl ketone, dms. works. lb. .19 - —
Dillseed, decorticated, bgs....lb. .14 - .14½
dewhiskered, bgs.....lb. .11½- .12
Dimethyl phathalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd.....lb. .20½- —
tanks, dlvd.....lb. .19 - —
Dimethylene, anhyd., cyl., frt. alld. E. of Miss., 100% basis. lb. .40 - —
solution, dms., works, frt. alld. E. of Miss., 100% basis..lb. .37 - .37½
tanks, same basis.....lb. .36 - —
Dimethylaniliin, dms., c.l.....lb. .30 - —
l.c.l. .....lb. .32 - —
Dinitrobenzene, bbls.....lb. .16 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, rfd., dms.....lb. .18 - —
oily, dms.....lb. .08 - —
Diorthotolyiguanidin, dms., ton lots, dlvd..lb. .44 - —
smaller lots, dlvd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, destructive dist., dms., incl., wks., South, c.l..gal. .09 - —
tanks, wks., South.....gal. .09 - —
steam dist., dms.....gal. .30 - —
tanks, dlvd. E.....gal. .27 - —
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .62
dms. .....lb. .45 - .56
Diphenylamine, bbls.....lb. .25 - —
Diphenyiguanidin, dms., tons..lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi, 35% tannin, c.l., U.S. ports, ex dock..ton.65.00 -67.00
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .48 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs. .....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns....lb.13.00 - —
Green, FD&C, No. 1 cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns...lb. 2.80 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1 cns..lb. 3.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns....lb. 8.85 - —
Blue, D&C, No. 4, cns.....lb.12.85 - —
Brown, D&C, No. 1, cns....lb.12.85 - —
Green, D&C, No. 5, cns....lb.12.85 - —
No. 6, cns.....lb.12.85 - —
Orange, D&C, No. 5, cns...lb. 8.85 - —
No. 4, cns.....lb.15.85 - —
No. 10, cns.....lb.15.85 - —
Red, D&C, No. 3, cns.....lb. 2.85 - —
No. 17, cns.....lb. 8.85 - —
No. 18, cns.....lb.15.85 - —
Yellow, D&C, No. 7, cns....lb. 8.85 - —
No. 8, cns.....lb. 8.85 - —
No. 11, cns.....lb.10.85 - —
No. 19, cns.....lb.15.85 - —
No. 22, cns.....lb. 8.85 - —
No. 23, cns.....lb.12.85 - —
No. 37, cns.....lb.12.85 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb.12.95 - —
Green, Ext., D&C, No. 1, cns. lb. .12.95 - —
Red, Ext. D&C, No. 1, cns..lb.10.95 - —
No. 3, cns .....lb.21.95 - —
No. 8, cns .....lb. 7.95 - —
No. 10, cns.....lb.12.95 - —
No. 13, cns.....lb.12.95 - —
Yellow, Ext. D&C, No. 1, cns., lb. 8.85 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
24 Chrome yellow, 3G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
52 Victoria violet .....lb. .90 - 1.00
165 Lake red C.....lb. .70 - .90
170 Fast red A.....lb. .55 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R.....lb. .85 - .90
189 Lake red R, powd...lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .43
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .35 - .38
304 Paper yellow .....lb. .88 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.80
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
418 Direct orange B.....lb. .60 - .70
419 Direct fast red F.....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .55 - .66
405 Benzo purpurin 10B..lb. .40 - .50
502 Direct azorin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
531 Direct black EW.....lb. .50 - .54
532 Direct black RX.....lb. .35 - .46
502 Direct green B.....lb. .50 - .55
504 Direct green G.....lb. .45 - .55
590 Direct brown 2GO...lb. .55 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.30
668 Acid violet.....lb. 1.00 - 2.00
813 Frimulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
945 Nigrosin (water soluble). lb. .33 - .38
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
1177 Indigo, 20%, paste....lb. .15 - .19
Benzo fast black L.lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .35 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .35 - .45
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 5c. per lb. higher, sellers' works or warehouse).
Black—
805 Nigrosin derivatives..lb. .36 - .44
Blue—
1078 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 5.00 - —
Brown—
Brown, oil soluble.....lb. 1.15 - —
Green—
1079 Alizarin cyanin green base..lb. 5.00 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
225 Sudan IV.....lb. .55 - —
690 Oil violet.....lb. .90 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base..lb.[9]4.00 - —
Yellow—
16 Amidoazobenzene yellow. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 1.50
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 5c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.55 - —
861 Indulin .....lb. .97 - —
873 Methylene gray.....lb. 1.50 - —
900 New blue F.....lb. 1.50 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .55 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
321 Bismarck brown G...lb. .67 - .68
294 Resorcin brown Y....lb. .65 - —
295 Resorcin dark brown R. lb. .62 - —
682 Bismarck brown R...lb. .67 - .68
798 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
727 Wool green S.....lb. .55 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green..lb. 2.00 - —
Orange—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B..lb. .62 - —
151 Orange Y.....lb. .21 - .30
161 Orange R.....lb. .84 - —
Red—
79 Ponceau R.....lb. .42 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Asorubin .....lb. .60 - —
183 Crocein scarlet 8BX....lb. .72 - .76
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .65 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
753 Rhodamine 6B.....lb. 4.50 - —
766 Eosin G.....lb. 1.60 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
696 Acid violet 4BN.....lb. .60 - —
Yellow—
10 Naphthol yellow S.....lb. .52 - —
138 Metanil yellow.....lb. .56 - .60
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow....lb. 1.15 - —
640 Tartrasin .....lb. .50 - —
655 Auramine .....lb. 1.27 - —
Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 5c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin .....lb. .36 - .44
Blue—
860 Indulin .....lb. .60 - .70
Brown—
831 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite green base..lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —
Red—
677 Fuchsin, magenta, base.. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow— lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS.....lb. 2.00 - —
Violet—
680 Methyl violet base.....lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .70 - .75
Egg, albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.18 - 1.22
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .45 - .50
Elm bark, grinding, bls.....lb. .25 - .26
powd., bbls., bxs.....lb. .53 - .54
select, bndls.....lb. .53 - .54
Emetine hydrochloride, bots...oz.52.50 -54.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.60
Hydrochloride, tins.....oz. .96 - 1.45
Sulphate, tins.....oz. .96 - 1.45
100 ozs..oz. .86 - —
synthetic, USP, anhydrous, bots. hydrous, bots., 100 oz..oz. .65 - —
Hydrochloride, tin. 100 ozs.oz. .56 - —
Sulphate, cryst., tins, 100 ozs. oz. .46 - —
Epinephrine, synth., USP, bots.. gram. .70 - .95
Epsom salt, tech., cryst., bgs., s.l..100 lbs. 1.90 - 1.95
l.c.l. .....100 lbs. 2.15 - 2.40
dried, bgs.....lb. .03½- —
l.c.l., bgs.....lb. .04 - .07

OPD—12-30-1946 15

IMPORTERS *and* EXPORTERS

AGAR AGAR (Jap Gelatin)

COD LIVER OILS

DRIED EGG PRODUCTS

Egg Yolk
Whole Egg
Hen Egg Albumen
Tech. Egg Albumen

ESSENTIAL OILS

Anise, Chinese
Balsam Copaiba, Brazilian
Bergamot, Italian
Lemon, Italian
Orange, Brazilian
Orange, Florida
Peppermint, Brazilian
Rosewood, Brazilian

FISH LIVERS and FISH LIVER OILS
(Vitamin A & D Oils)

FISH MEALS and BONE MEALS

MENTHOL CRYSTALS U.S.P.—Chinese, Japanese, Brazilian

ESTABLISHED 1928

CICO

CONSUMERS IMPORT CO., INC.

Empire State Building, 350 Fifth Avenue, New York 1, N. Y.

TELEPHONE LONGACRE 3-0415

CABLE ADDRESS PUREFOOD-NEW YORK

Epsom salt, USP, cryst., bgs., l.c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - -
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l. .....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, cns.....lb. 1.55 - 1.60
Eserine, bots.....oz. No prices
Sulphate, bots.....oz.65.00 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, cons., bots.. 100 lbs..lb. .98 - 1.10
Sulphuric, cons., dms.....lb. .11 - .16
USP anesthesia, hospital, 1-lb. cns..lb. .60 - .61
Synthetic, dms., c.l., frt. alld. lb. .17 - —
l.c.l., same basis.....lb. .18 - —
tanks, same basis.....lb. .16 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld..lb. .20 - —
l.c.l., frt. alld.....lb. .20½- —
tanks, frt. alld.....lb. .19 - —
95-98%, dms., c.l., frt. alld. lb. .20½- —
l.c.l., frt. alld.....lb. .21 - —
tanks, frt. alld.....lb. .19½- —
98%, dms., c.l., frt. alld..lb. .20½- —
l.c.l., frt. alld.....lb. .21½- —
tanks, frt. alld.....lb. .19½- —
N.F., dms. .....lb. .21½- —
Ethyl acetate, synthetic, 85-90%, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - —
tanks, frt. alld.....lb. .09½- —
95-98% dms., c.l., frt. alld. lb. .11 - —
l.c.l., frt. alld.....lb. 11½- —
tanks, frt. alld.....lb. .10 - —
Acetoacetate, dms., c.l., works. lb. .50 - —
l.c.l., frt. alld.....lb. .50½- —
Benzoate, bots.....lb. .50 - .53
B-ethoxy propionate, dms., works..lb. .70 - —
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., dlvd. E...lb. .56 - —
Chloride, tech., tanks.....lb. .13½- —
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns. .....lb. 2.65 - 2.85
Formate, dms., Agnue, Calif.lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .35½- —
Myristate, dms., works.....lb. No prices
Oenanthate, dms.....lb. 1.10 - 1.15
Oleate, dms., l.c.l., works..lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., works..lb. .50 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works..lb. .70 - —
smaller lots, works.....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies..lb. .0342- —
West of Rockies..lb. .0391- —
l.c.l., works, frt. alld. E. of Rockies..lb. .0391- —
West of Rockies..lb. .0941- —
tanks, frt. alld. E. of Rockies, lb. .0742- —
West of Rockies..lb. .0792- —
Trichloride (see Trichloroethane).
Ethyleneglycol, dms., c.l., frt. alld. in E... .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. 14½- —
Monoethylether, acetate, dms., c.l., works..lb. .18½- —
l.c.l., works.....lb. .14½- —
tanks, works.....lb. .12½- —
Monomethylether, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, dms., c.l., wks. lb. .57 - —
l.c.l., works .....lb. .60 - -
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin, cns., 5 lbs. or more..lb. 6.75 - —
smaller lots.....lb. 6.80 - 6.90
Eucalyptol, cns., dms.....lb. 2.85 - 3.25
Eucalyptus leaves, bls.....lb. .14 - .15
Eugenol, prime, USP XII.....lb. 2.60 - 3.50
Euphorbia, bls. .....lb. .20 - .22

F

Feldspar, enamel, 100 mesh..ton.17.00 -20.50
bulk, c.l. .....ton.14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton.12.75 -16.25
bulk, c.l. .....ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton.20.00 22.00
bulk, c.l., works.....ton 17.00 19.00
Fennel seed, Argentine, bgs., futures..lb. .14½- .15¼
Indian, bgs., afloat.....lb. .26 - .26½
Fenugreek, domestic, futures, bgs., source..lb. .09 - .09½
Indian, bgs.....lb. .08½- .09¼
Morocco, bgs. .....lb. .09½- .10
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works.lb. .13½- .15
water-white, cs., works.....lb. .14½- .17
Fir balsam, Canada, cns.....gal.23.00 -24.00
Oregon, bbls. .....gal. 2.65 - 2.70
Fishberries, bgs. .....lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal, grd., 60% protein, bgs., E. works..ton.135.00 - —
65% protein, bgs., E. works. ton.140.00 - —
Fishscrap, dried, 60% protein, bulk, East coast..ton.125.00 -130.00
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Flaxseed, black, bgs.....lb. .55 - .60
Blonde, bgs.....lb. .91 - .95
Fluorspar, No. 1, ground, 98-99% CaF_2, bulk, c.l., mines, net ton.37.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines. ton.33.00 - —
65%, c.l., bulk, mines....ton.32.00 - —
60%, c.l., bulk, mines....ton.31.00 - —
less than 60%, c.l., bulk, mines..ton.30.00 - —
Formaldehyde, bbls., c.l., works. lb. .0535- —
l.c.l., works .....lb. .0645- —
dms., extra, c.l., works.....lb. .0495- .0530
l.c.l., works .....lb. .0545- .0630
tanks, works .....lb. .0320- .0400
tanktrucks, dlvd., N.Y.C.....lb. .0345- —
Fringetree bark, bls.....lb. .75 - .76
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex. mines .....ton.12.50 - —
spent, bulk, Bayonne...ton. 3.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural, ref., dms., c.l., works. lb. .15½- —
cns., dms., l.c.l., works.....lb. .18½- .25½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works .....lb. .09½- —
Fusel oil, dms., c.l.....lb. .26 - —
l.c.l. .....lb. .20½- —
tanks .....lb. .25 - —
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .32 - —
No. 1A, bbls., l.c.l.....lb. .27 - —
No. 2, bbls., l.c.l.....lb. .23 - —
No. 3, bbls., l.c.l.....lb. .24 - —
liquid, No. 0, bbls., l.c.l....lb. .20½- —
No. 1, bbls., l.c.l.....lb. .19 - —
No. 2, bbls., l.c.l.....lb. .18 - —
No. 3, bbls., l.c.l.....lb. .15½- —
solid, No. 1, bxs., l.c.l.....lb. .22½- —

G

G salt, bbls.....lb. .50 - —
Galangal root, bls.....lb. .26 - .28
Gambier, cube, Singapore, cs..lb. No stocks
Extract, bbls. .....lb. No stocks
Gammapicoline 98%, dms., c.l., works..lb. 1.35 - —
Gasoline, at refinery, ex tax Arkansas 73-75 octane, tanks, gal. .06¾- —
Bayonne, 74 octane, tanks, gal. .0789- .09
Gulf Coast, 73-75 octane, tanks..gal. .06½- .07½
Group 3, 73-75 octane, tanks, gal. .06¾- .07
Pennsylvania, western, U. S. motor, 74 octane, leaded, tanks..gal. .07½- .08½
natural, 26/70 octane, Group 3 tanks..gal. .04 - —
Gelatin, silver label, cns., dlvd. lb. .90 - .97
export, cs. .....lb. 1.00 - —

Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.

Gelsemium root, bls.....lb. .35 - .40
Gentian root, bls.....lb. .29 - .30
grd., bbls., bxs.....lb. .35 - .36
powd., bbls., bxs.....lb. .34 - .35
Geraniol, 92-96%, cns., dms....lb. 9.00 -12.00
Geranyl acetate, cns.....lb. 5.00 -12.00
Ginger, African, No. 1, bls...lb. .14¾- .15¼
Calicut, Romeo-type, bgs....lb. .14 - .16½
Cochin, bleached, bgs.....lb. .16½- .17
unbleached, bgs.....lb. .15¼- .15¾
Jamaica, No. 1, bgs.....lb. .18 - .18½
No. 2, bgs.....lb. .17 - .17½
No. 3, bgs.....lb. .16 - .16½
Rhattoon, bgs. .....lb. .14 - .14¼
Glauber's salt, annyd. (see Soda sulphate).
cryst., bgs., bbls., works, 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 26 jellygrams, bgs., c.l., East of Midwest. lb. .19 - .20
30/36, bgs., c.l., same basis..lb. .15½- .20½
58/62, bgs., c.l., same basis. lb. .17 - .24
82/106, bgs., c.l., same basis. lb. .18½- .25½
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide, 100-121 (jelly test m grams), bgs., c.l., dlvd..lb. .14 - .21½
122-149, bgs., c.l., dlvd....lb. .15 - .22½
150-177, bgs., c.l., dlvd....lb. .16 - .23½
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd....lb. .18 - .25½
237-266, bgs., c.l., dlvd....lb. .19 - .26½
267-296, bgs., c.l., dlvd....lb. .20 - .27½
297-330, bgs. c.l., dlvd....lb. .21 - .28½
331-362, bgs., c.l., dlvd....lb. .22 - .29½
363-394, bgs., c.l., dlvd....lb. .23 - .30½
395—427, bgs., c.l., dlvd....lb. .24 - .31½
428-460, bgs., c.l., dlvd....lb. .25 - .32½
4461-494, bgs., c.l., dlvd....lb. .26 - .33½
495-529, bgs., c.l., dlvd....lb. .27 - .34½

Hide glue l.c.l., prices 1c. higher than c.l. bbls., ½c. over bgs.

Glycerin, crude, saponification, 88%, to refiners, tanks..lb. .45 - .60
soaplye, 80%, tanks.....lb. .35 - .50
dynamite, dms., c.l.....lb. .55¼- .75¼
l.c.l. .....lb. .55¾- .75¾
tanks .....lb. .55 - .75
high gravity, dms., c.l.....lb. .55¼- .75¼
l.c.l. .....lb. .55¾- .75¾
tanks .....lb. .55 - .75
refined, B.P., 98%, dms., c.l..lb. .55¾- .75¾
tanks .....lb. .55½- .75½
USP, 95%, dms., c.l.....lb. .55¼- .75¼
l.c.l. .....lb. .55¾- .75¾
tanks .....lb. .55 - .75
yellow, distilled, dms., c.l...lb. .55 - .75
tanks .....lb. .55 - .75

Heavy-duty ICC Drums and Bilge Barrels

★

Light-gage Shippers, 55, 30, and 15 gal. capacity and 100 lb. Grease Drums

★

Lightweight Drums for Chemical and Powdered Materials

★

Painted Various Colors or Decorated

The SAFE container for chemicals

Danger of leakage or contamination in transit is reduced to a minimum when you ship your products in J&L Steel Barrel Company drums and barrels. Your customer will receive your products in the as-shipped condition—claims and shipping losses will be fewer. Write today for further information.

J&L STEEL BARREL COMPANY

A SUBSIDIARY OF JONES & LAUGHLIN STEEL CORPORATION

PITTSBURGH 30, PA.

PLANTS:

BAYONNE, N. J. • CLEVELAND, OHIO • PHILADELPHIA, PA. • NEW ORLEANS (GRETNA), LA.
NORTH KANSAS CITY, MO. • PORT ARTHUR, TEXAS

J&L STEEL

Glycine, USP (see Acid, aminoacetic).
Glycol boriborate, dms.....lb. .23 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots. oz.20.75 -21.00
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chloride photo., bots. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal root, bls.....lb. 8.50 - 8.75
powd., bxs.....lb. 9.00 - 9.25
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .48 - .49
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½ -
70-75%, bgs., same basis. lb. .05 - —
75-80%, same basis.....lb. .05½ —
80-85%, bgs., same basis. lb. .06 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
imported, amorphous, powd., dlvd..lb. .04 - .06
crystalline, 85-90%, powd., same basis..lb. .14 - .16
90-92%, powd., same basis.. lb. .16 - .19
97% powd., same basis...lb. .22 - .25
flake, No. 1, 90-95%, 200-lb. crtns, same basis..lb. .21 - .22
No. 2, same basis.....lb. .22 - .24
Grease, choice, loose.....lb. .22 - —
house, loose.....lb. .20½ - —
yellow, loose.....lb. .21 - —
white, loose.....lb. .21½ - —
Wool (see Adeps lanae and Degras).
Green, brilliant, thiofiavin toner, molybdic, bgs., works...lb. 3.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .29 - —
6-10%, bbls., same basis. lb. .30 - —
11-15%, bbls., same basis. lb. .31 - —
16-20%, bbls., same basis. lb. .31½ —
21-25%, bbls., same basis. lb. .32½ —
26-30%, bbls., same basis. lb. .33½ —
31-35%, bbls., same basis. lb. .33¾ —
36-40%, bbls., same basis. lb. .35½ —
41-45%, bbls., same basis. lb. .37 - —
46-50%, bbls., same basis. lb. .38¾ —
60% and over, bbls., same basis..lb. .39¾ —
reduced color, 5%, bbls., same basis..lb. .10 - —
6-10%, bbls., same basis.lb. .10¾ —
11-13%, bbls., same basis.lb. .11¼ —
14-16%, bbls., same basis.lb. .12 - —
17-19%, bbls., same basis.lb. .12¼ —
20-21%, bbls., same basis.lb. .12½ —
22-23%, bbls., same basis.lb. .12¾ —
24-25%, bbls., same basis.lb. .13 - —
26-27%, bbls., same basis.lb. .13½ —
28-29%, bbls., same basis.lb. .14 - —
30-31%, bbls., same basis.lb. .15 - —
32-33%, bbls., same basis.lb. .16¼ —
34-35%, bbls., same basis.lb. .17¼ —
36-40%, bbls., same basis.lb. .20 - —
41-45%, bbls., same basis.lb. .22¼ —
46-50%, bbls., same basis.lb. .22¾ —
51-55%, bbls., same basis.lb. .23½ —
56-60%, bbls., same basis.lb. .24 - —
61-65%, bbls., same basis.lb. .25 - —
66-70%, bbls., same basis.lb. .26¼ —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Chrome oxide, pure, dms., works..lb. .27½ - .30
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works.....lb. 3.50 - —
Phthalocyanin, tetrahydroxide (hydrated chromium oxide), bbls., works...lb. .85 - —
toner, bbls., works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - 4.00
emerald, kgs.....lb. 2.00 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .30 - .35
Guaiac, resin, cs.....lb. .32 - .34
Wood, bls.....lb. .35 - .36
Guaiacol, cryst., N.F., tins...lb. 1.60 - 1.65
Liquid, N.F., bots., chys....lb. 1.60 - 1.84
Carbonate, dms.....lb. 2.40 - 2.46
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs....lb. .13¾ - .14
white, sorts, l. bgs.....lb. .28 - .29
Asphaltum (see A).
Asafetida (see A).
Benzoin, Sumatra, cs.....lb. .90 - 1.00
Camphor (see C).
Copal, Congo, bgs.....lb. No prices
East India, bgs.....lb. No prices
Manila, baskets.....lb. No prices
Dammar, cs.....lb. No prices
Elemi, cns.....lb. No prices
Ester,[1] gum-resin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300 -
l.c.l., dlvd., Ill., etc.....lb. .1325 -
other points, same basis. lb. .1400 -
wood-resin type, dms., c.l., dlvd. Ill., Ind., etc..lb. .1050 - .1074
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipes, cs.....lb. 2.00 - 2.05
powd., bbls.....lb. 2.25 - 2.30
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .21 - .60
Kauri, cs.....lb. No prices
Locust bean, powd., bbls....lb. .50 - .60
Gum, mastic, cs.....lb. 2.75 - 3.00
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .27 - .45
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, bgs.....lb. .90 - .96
Scammony, cs.....lb. 1.50 - 1.55
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 5.00 - 5.25
No. 2, cs.....lb. 3.65 - 3.90
No. 3, cs.....lb. 3.20 - 3.45
Yacca, bgs.....lb. No prices
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.23.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.20.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - -
Gypsum, stucco, paper bgs., c.l., Acme, Texas; Akron, N.Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y., Plasterco, Ga., Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., New Brighton, N. Y., same basis..ton.14.40 - —

H

Hawthorn berries, bgs.....lb. .80 - .85
Heliotropin, cryst., cns.....lb. 3.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.25 - 2.50
Hematine extract, cryst., No. 4, bbls., l.c.l..lb. 41
No. 1, bbls., l.c.l.....lb. .40 - -
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .33 - —
No. 5, bbls., l.c.l.....lb. .30 - -
paste, No. 1, bbls., l.c.l.....lb. .17¼ - —
No. 2, bbls., l.c.l.....lb. .16½ - —
No. 3, bbls., l.c.l.....lb. .15½ - —
red, No. 4, bbls., l.c.l.....lb. .14½ - —
Hemlock bark extract, 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .29 - .30
powd., bbls., bxs.....lb. .34 - .36
Heptane, industrial grade, 80°-100° C., dms., c.l., Group 3, gal. .12⅜ - —
l.c.l., Group 3.....gal. .13 - —
tanks, Group 3.....gal. .10½ - —
77°-115° C., dms., c.l., Group 3..gal. .12 - —
l.c.l., Group 3.....gal. .13 - —
tanks, Group 3.....gal. .10½ - —
laboratory grade, dms., c.l., Group 3-gal. .16 - —
l.c.l., Group 3.....gal. .29 - .35
Hexalin (see cyclohexanol).
Hexaethyl tetraphosphate, cbys., cns., works..lb. 2.00 - —
dms., c.l., works.....lb. 1.10 - —
l.c.l., works.....lb. 1.25 - 1.75
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane, 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13⅛ - —
l.c.l., Group 3.....gal. .15 - —
tanks, Group 3.....gal. .10½ - .13
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .29 - .35
Hexanol, normal, dms., l.c.l., works..lb. .26 - —
Homatropine hydrobromide, bots. os.15.00 -25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 8.50 - —

WORLD'S LARGEST PRODUCER OF SYNTHETIC RESINS

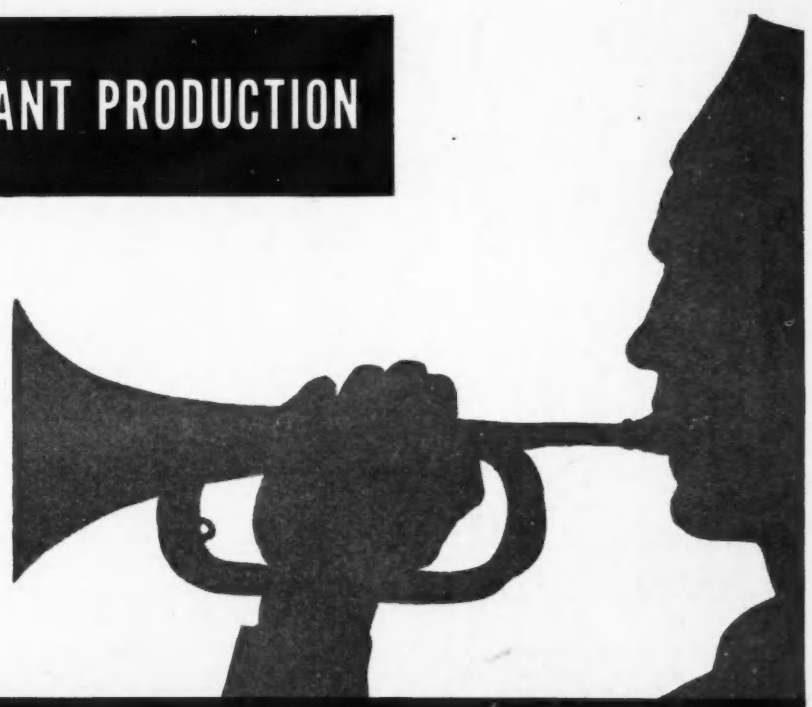
RCI

WAKE UP DORMANT PRODUCTION

with this brand new RCI "First"

No. 5412

REVEILLE RED TONER



RCI comes to the aid of formulators hard-pressed by shortages with another top-quality replacement—a new organic red toner which is not only an adequate substitute for Red Lake C Toner in properties and results, but is also lower in cost. Used in inks it will effect a substantial saving. Used in paint or lacquer it assures good light-fastness, with only a slight bleed. While production is stepping up, quantities at present are limited, so write at once to the Sales Department at 105 Bedford Ave., Brooklyn 11, New York, for additional information on properties and a sample for your own tests.

CHEMICAL COLOR DIVISION

REICHHOLD CHEMICALS, INC.

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CHEMICAL COLORS • SYNTHETIC RESINS • PHENOLIC PLASTICS • INDUSTRIAL CHEMICALS

Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .13½- .18
Hydrangea root, bls.....lb. .22 - .25
Hydrastine, alkaloid, bots....oz.20.00 -22.00
Hydrochloride, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.29.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .06¾- .94
100 vols., obys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .15¾
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb.17.50 -21.00
dms., extra, ref'able, divd...lb. No prices
Hyoscine hydrobromide, bots...oz.39.00 -45.00
Hyoscyamine, bots.....oz.18.00 -20.00
Hydrobromide, bots.....oz.18.00 -19.50
Sulphate, bots.....oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l...lb. .43 - —
No. 2, bbls., l.c.l.....lb. .40 - —
liquid, No. 1, bbls., l.c.l...lb. .27 - —
No. 2, bbls., l.c.l.....lb. .22 - —
solid, No. 1, oxs., l.c.l....lb. .33 - —
Hyssop, bgs.....lb. .60 - .61
leaves, bgs.....lb. .69 - .70

I

Iceland moss, bgs.....lb. .50 - .53
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.19.00 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 150-lb. kgs., ex whse., Staten Island..lb. 1.42½- —
resubl., 5-lb. bots., jars.....lb. 2.10 - —
Iodoform, 100-lb. dms., kgs....lb. 4.45 - —
Ionone, ketone, bot.....lb. 6.00 -14.00
Methyl, bot.....lb. 6.25 -16.85
Ipecac root, bgs.....lb. 6.00 - 6.25
powd., bgs.....lb. 6.25 - 6.50
Irish moss, bleached, prime...lb. .25 - .30
Iron acetate, liquor, bbls., c.l., divd..lb. .17 - —
l.c.l., divd.....lb. .18 - —
solut., USP IX, 100-lb. obys.lb .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works.100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 5.50 - 6.85
cryst., tech., bois., works, f'r alld .100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb .07 - .08¼
solut., 42 Be, obys., works, frt alld. or equald..lb. .05½- 06
djns., same basis.....lb. .10 - —
Citrate, USP VIII, gran., dms. lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, N.F., powd. lb. 4.35 - —
Hypophosphite, bbls., dms..lb. 1.50 - 1.52
Iodide, bots.....lb. 3.43 - —
Naphthenate, 5% Fe, 50-gal. dms..lb. .16½- .17½
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .32 - .35
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Phosphate, soluble, NF, gran., cs..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .63
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms. lb. .21 - —
Sulphate (ferric), anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., works.....ton.40.00 - —
partially hydrated bgs., c.l., works..ton.26.50 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls., dms..lb. .06½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .36
scale, dms.....lb. .49 - .53
Oxalate, bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .26¼
Iron-soda oxalate, bbls., dms.lb. .23½- .26¼
Isobornyl acetate, cns., works.lb. .80 - .96
Isobornyl thiocyanoacetate, dms., c.l., works..gal. 4.25 - —
l.c.l., works.....gal. 4.45 - 4.55
tanks, works.....gal. 4.25 - —
Isobutyl acetate, cns.....lb. 1.10 - —
Propionate, cns.....lb. No prices
Isoeugenol, extra cns.....lb. 3.75 - 4.35
Isopentane, dms., works....lb. .45 - .55
Isophorone, dms., c.l., works..lb. .21 - —
l.c.l. works.....lb. .23 - —
tanks, works.....lb. .20 - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld.lb. .10½- —
l.c.l. E. of Rockies, same basis..lb. .11 - —
tanks, E. of Rockies, same basis..lb. .09½- —
Alcohol (see Alcohol, Isopropyl).
Ether, dms., c.l., divd.....lb. .06 - —
l.c.l.....lb. .06¾- —
tanks, divd.....lb. .04½- —
Isopropylamine, dms., works..lb. .25 - —

J

Jaborandi leaves, bls.....lb. .30 - .31
Jalap root, NF, bls.....lb. .45 - .50
powd., bbls., bxs.....lb. .55 - .60
Resin, lump, cns.....lb. 6.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .22 - .25
Juniper tar, USP, dms.....lb. .60 - 1.00

K

Kamala, powd., cns.....lb. .46 - .48
Kaolin (see China clay).
Kava kava root, bls.....lb. .28 - .30
Kerosene, at refinery: Ark., 42-44 w.w., tanks..gal. .05 - —
Bayonne, 41-43, w.w., tanks..gal. .061 - —
California, 40-43 w.w., tanks. gal. .07 - —
Gulf ports, 41-43 w.w., tanks. gal. .04½- .05
Okla.-Tex., 41-43 w.w., tanks. gal. .04875- —
Penn., 45 w.w., tanks....gal. .0655- .0705
47 w.w., tanks.....gal. .0705- —
Kola nuts, bgs.....lb. .10 - .11
Kyanite, imp., low iron content, 10-mesh, whse..ton.85.00 -95.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Ladyslipper root, bls.....lb. 1.35 - 1.40
Lanolin (see Adeps lanae).
Larkspur seed, bgs.....lb. .80 - .82
Laurel berries, bls.....lb. .25 - .26
Leaves, Cyprus, bls.....lb. .28 - .29
Greek, bls.....lb. .18½- .20
Portuguese, futures, bls....lb. .15½- .16
good, bls.....lb. .15 - .15½
Turkish, bls.....lb. .15 - .15½
Lavender flowers, medium, bls.lb. .60 - .65
ordinary, bls.....lb. .35 - .42
select, bls.....lb. .65 - .70
Lead, acetate, white, broken, bbls..lb. .16 - —
cryst., bbls.....lb. .16¾- —
gran., powd., bbls.....lb. .16¾- —
Arsenate, basic powder, 3-lb. bgs. or larger, c.l..lb. .17½- —
l.c.l.....lb. .18 - —
1-lb. ctns., c.l.....lb. .34 - —
l.c.l.....lb. .34½- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest.
Blue, basic sulphate, bbls., c.l., 20-ton lots, divd. E..lb. .13¼- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .13½- —
l.c.l., divd. E.....lb. .13¾- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .13¾- —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V, jars.....lb. 2.84 - —
Linoleate, solid, 12%, bbls...lb. .41¾- —
Metal,[5] (see Protective Coatings Materials market).
Metallic paste, dms., works.lb. No stocks.
Naphthenate, 24%-30%, Pb...lb. .16 - .19½
Nitrate, bbls.....lb. .15¾- .15½
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls.. lb. .2b 28
Red, 96% Pb_3O_4, or less bbls., c.l. (20 tons), divd Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .15¼ —
other points.....lb. .15 - —
l.c.l., 5 tons, divd. Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .15¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .16¼- —
Colo., Mont., N. Mex., Wyo..lb. .16 - —
other points.....lb. .15¾- —
smaller lots, Ala., etc.lb. .16¼- —
Ariz., etc.....lb. .16¾- —
Colo., etc.....lb. .16¾- —
other points.....lb. .16 - —
in oil, kgs.....lb. .23½- —
97% Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Wash. and Ore.lb. .15½- —
other points.....lb. .16 - —
l.c.l., 5 tons, divd. Ala., etc..lb. .16¼- —
Ariz., etc.....lb. .16 - —
Colo., etc.....lb. .15¾- —
other points.....lb. .16 - —
smaller lots, divd. Ala. etc..lb. .16¾- —
Ariz., etc.....lb. .17 - —
Colo., etc.....lb. .16¾- —
other points.....lb. .16¾- —
Resinate, precip., 23.8% Pb, dms..lb. .22½- —
Silicate, bgs.....lb. .14½- .15
Soyate, 20.15% Pb., dms.....lb. .22¾- —
Stearate, bbls.....lb. .34½- .35¼
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, 10% Pb, dms.....lb. .10 - .11
Titanate, bgs., bbls., c.l., l.c.l., 6 tons, one delivery, E. frt. alld..lb. .11¼- —
Pac. Cst., ex whse....lb. .11½- —
smaller lots, E. frt. alld. lb. .11½- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo. lb. .14 - —
divd. other points....lb. .13¾- —
l.c.l., divd. Ariz., etc....lb. .14¼- —
other points.....lb .14 - —
basic sulphate, bbls., c.l., divd. Ariz., etc..lb. .13¼- —
other points.....lb. .13½- —
l.c.l., divd. Ariz., etc....lb. .13½- —
other points.....lb. .13¾- —
in oil, consumers, kgs.....lb. .23¾- —
painters, kgs.....lb. .22½- —
Lecithin, edible, dms., c.l.....lb. .36 - —
l.c.l.....lb. .38½- .58½
tech., dms., c.l.....lb. .36 - —
l.c.l.....lb. .38½- .58½
Lemon peel, bls.....lb. .35 - .40
Licorice extract, mass, cns....lb. .40 - .42
powd., bbls.....lb. .60 - .62
Root, natural, bls.....lb. .12 - .14
powd., bbls.....lb. .18 - .20
5-lb. bundles, cs.....lb. .05 - .06
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, agricultural, works....ton. 9.00 - 9.00
Chemical (quicklime), lump, pebble, Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkeley, W. Va....ton. 8.50 - —
Buffalo, N. Y.....ton.10.25 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn.ton. 7.90 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 7.50 - —
Hannibal, Mo.....ton. 7.50 - —
Keystone, Ala.....ton. 7.90 - —
Knoxville, Tenn.....ton. 7.90 - —
Limedale, Ark.....ton. 8.00 - —
Longview, Ala.....ton. 7.90 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va.ton. 8.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 7.50 - —
Lime, chemical, Nawala, Ala. ton. 7.90 - —
Ripplemead, Va.....ton. 8.50 - —
Riverton, Va.....ton. 8.50 - —
Rockland, Maine....ton. 8.00 - —
Scioto, Ohio.....ton. 6.50 - —
Sherwood, Texas....ton. 7.90 - —
Sherwood, Wisc.....ton. 8.50 - —
Springfield, Mo.....ton. 8.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Hydrated, Adams, Mass....ton.10.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Berkeley, W. Va.....ton.10.00 - —
Buffalo, N. Y.....ton.10.50 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton.10.00 - —
Crab Orchard, Tenn..ton.10.65 - —
Eagle Mountain, Va.ton.10.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio....ton. 9.50 - —
Hannibal, Mo.....ton. 9.50 - —
Keystone, Ala.....ton.11.65 - —
Knoxville, Tenn.....ton.10.65 - —
LeRoy, Minn.....ton.10.00 - —
Limedale, Ark.....ton.10.00 - —
Longview, Ala.....ton.11.65 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton.10.50 - —
Martinsburg, W. Va.ton.10.00 - —
Mitchell, Ind.....ton.10.00 - —
Newala, Ala.....ton.11.65 - —
Petoskey, Mich.....ton.10.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. Dak.ton.13.00 - —
Ripplemead, Va.....ton.10.00 - —
Rockland, Maine.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Tenn.....ton.11.65 - —
Sherwood, Wisc.....ton.10.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton.10.00 - —
Spray, paper bgs., Adams, Mass..ton.10.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.10.00 - —
Marblehead, Ohio....ton.10.00 - —
Rockland, Maine.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa.....ton.10.00 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen[6] 20.5% N. (see Ammonia nitrate-lime-stone).
Limestone, ground, bulk, works. ton. 1.40 - —
Linalool.....lb. 7.25 - 7.60
Linalyl acetate, ex bois de rose, bots..lb. 8.50 - —
ex lignaloe wood, bots....lb. 7.75 - 8.40
ex petitgrain, bots.....lb. 5.15 - 6.90
Linden flowers with leaves, bls. lb. .55 - .60
without leaves, bls.....lb .65 - .70
Linseed meal, 34%, bulk, mills. ton.83.00 -85.00
Litharge, com'l, powd., bbls., c.l. divd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .14 - —
other points.....lb. .13¾- —
l.c.l., 5 tons, divd., Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .14½- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .15 - —
Colo., Mont., N. Mex., Wyo..lb. .14¾- —
other points.....lb. .14½- —
smaller lots, divd. Ala., etc..lb. .15 - —
Ariz., etc.....lb. .15¾- —
Colo., etc.....lb. .15½- —
other points.....lb. .14¾- —
Lithium bromide, bbls., 100-lb. lots, works, frt. equald..lb. 1.90 - —
Carbonate, NF, bbls., kgs...lb. 1.15 - —
Chloride, jars.....lb. 1.15 - 1.65
Citrate, bbls., dms., kgs....lb. 1.30 - 1.40
Fluoride, bbls.....lb. 1.90 - —
Hydroxide, jars.....lb. 1.15 - 1.25
Lithopone, ordinary, bgs., c.l., (20 tons)..lb. .06 - —
l.c.l.....lb. .06¼- —
bbls., c.l.....lb. .06¼- —
l.c.l.....lb. .06½- —
Titanated (high-strength), bgs. lb. .06¾- —
smaller lots.....lb. .07 - —
bbls., c.l.....lb. .07¼- —
smaller lots.....lb. .07½- —
Lithopone, c.l., divd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst. ¼c. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .80 - .85
Lobeline sulphate, bots., wks.oz.25.50 -28.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .34 - —
No. 2, bbls., l.c.l.....lb. .32 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15½- —
No. 4, bbls., l.c.l.....lb. .15 - —
solid, No. 1, bxs., l.c.l....lb. .23 - —
No. 2, bxs., l.c.l.....lb. .24 - —
bbls., c.l., Zone 1.....lb. .09½- —
No. 4, bxs., l.c.l.....lb. .23 - —
No. 5, bxs., l.c.l.....lb. .23¼- —
No. 5, boxs., l.c.l.....lb. .21½- —
No. 6, boxs., l.c.l.....lb. .39½- .44½
Lovage root, American (ligusticum actae folium), bbls..lb. 1.20 - 1.50
Lupulin, NF, tin.....lb.12.75 -13.00
Lycopodium, USP, cs.....lb. 2.60 - 3.00

M

Mace, Banda, cs.....lb. No stocks.
West Indian, bgs.....lb. 1.70 - 1.80
Broken, bgs.....lb. 1.30 - 1.40
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1] dms.....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .33 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1..lb. .07½- —
bbls., c.l., Zone 1.....lb. .07½- —
l.c.l., Zone 1.....lb. .08½- —
kgs., c.l., Zone 1.....lb. .08¾- —
l.c.l., Zone 1.....lb. .09¾- —
USP, bgs., c.l., Zone 1.....lb. .08 - —
l.c.l., Zone 1.....lb. .09 - —
bbls., c.l., Zone 1.....lb. .08½- —
l.c.l., Zone 1.....lb. .09½- —
kgs., c.l., Zone 1.....lb. .09¼- —
l.c.l., Zone 1.....lb. .10¾- —
Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.
Magnesia chloride, anhyd., bbls., divd..lb. .12¾- —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.05
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, ctns., 2,000 lbs. to c.l. lb. .50 - —
smaller lots.....lb. .51 - .52
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines Calif..ton.58.75 - —
dead-burnt, bulk, c.l., Chewelah, Wash..ton.22.00 -32.00
Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l.....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.55 - 1.60
Leaves, bls.....lb. .40 - .41
Manaca root, bls.....lb. .49 - .50
Mandrake root, bls.....lb. .83 - .84
Manganese acetate, dms.....lb. .26½- —
Arsenate,[6] bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls., wks.lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
85-90%, bbls., c.l., works... ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
84-87%, burlap bgs., c.l., works..ton.71.75 - —
l.c.l., works.....ton.74.75 -79.75
paper bgs., c.l., works.ton.70.00 - —
l.c.l., works.....ton.73.00 - —
Glycerophosphate, fib. dms..lb. 4.25 - —
Hydrate, bbls., divd.....lb. .28 - —
Iodide, bots.....lb. 5.70 - —
jars.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .42¾- —
solid, precip., 8.2%, bbls..lb. .44¾- —
Naphthenate, 6% Mn, dms...lb. .17¾- —
Resinate, fused, 8½%, bbls..lb. .09 - .10¼
precip., dms.....lb. .19 - —
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., divd. East..ton.62.00 - —
l.c.l., same basis or Balto. or Cincinnati...ton.65.00 - —
industrial grade, 80%, bgs.lb. .05 - .05¾
75%, bgs., c.l., divd. East. ton.60.00 - —
Tallate, 4% Mn, dms.....lb. .10¾- .11¼
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton.58.00 Nom.
Manna, flake, large, cs.....lb. 1.50 - 1.55
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works.lb. .38 - .43
reagent, multiples, works..lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast..lb. .35 - .36
Chilean, bls.....lb. .15 - .15½
Matico leaves, bls.....lb. .15 - .15½
Menadione, USP, bots., works, gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 7.30 - 7.55
synthetic, tech., cns.....lb. No prices.
USP, laevo, cns.....lb. No prices.
racemic, cns.....lb. 6.10 - 6.20
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .73
30%, pails.....lb. 1.30 - —
60%, pails.....lb. 1.88 - 1.90
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.86 - —
Iodide, red, NF, dms.....lb. 4.50 - —
yellow, NF, fib. dms.....lb. 4.60 - —
Oxide, red, NF (see Red precipitate).
yellow, USP, fib dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mesityl oxide, dms., c.l., divd.lb. .11½- —
l.c.l., divd.....lb. .12 - —
tanks, divd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. No stocks
Gold X+, deep, 23, 3⅜x3⅜ in., pkg. No stocks
Silver, 3⅜x3⅜ in.....pkg. No stocks
Metanitroparatoluidin, bbls....lb. 1.16 - 1.21
Metaphenylenediamine, kgs.....lb. .72 - —
Metatolylenediamine, kgs.....lb. .77 - —
Methanol, natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Prices on natural methanol W. of Miss. R., 3c. higher.
synth., dms., c.l., Zone 1, frt. alld..gal. .31 - —
2 frt. alld. or divd....gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or divd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, divd. S. F. and L. A. gal. .41 - —
4, frt. alld. or divd...gal. .51½- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —
Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.
Methyl abietate, non-rect. dms., c.l., divd..lb. .16 - —
10 dms.....lb. .17¼- —
1-9 dms.....lb. .18¼- —
hydrogenated, c.l., divd....lb. .16¼- —
10 dms., divd.....lb. .17¾- —
1-9 dms., divd.....lb. .18¾- —

Methyl acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss. .....lb. .11½- .13
l.c.l., E. of Miss....lb. .11 - .14
W. of Miss. .....lb. .12 - .15½
tanks, E. of Miss.....lb. .09½- —
W. of Miss. .....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss. .....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .09½- —
Acetone, natural, Group A, dms., incl. E. of Miss., frt. alld..gal. .09 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .69 - —
Natural methyl acetone prices W. of Miss R., 3c. per gal. higher.
Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .68 - —
Zone 2, same basis.gal. .53 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis. lb. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4 same basis.gal. .64½- —
Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.
synthetic, dms., c.l., Zone 1. gal. .51 - —
Zone 2.....gal. .53 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., one 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .42 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .46¼- —
Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Aris., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah. Wash.

Methyl alcohol (see Methanol).
Anthranilate, dms.....lb. 1.80 - —
bots., cns. .....lb. 2.20 - 2.60
Benzoate, cns. .....lb. .48 - 1.20
Bromide, cns.....lb. .62 - .66
cyls. .....lb. .55 - .70
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders. lb. .23 - —
service men and consumers..lb. .36 - —
50 to 499 lbs., mach. mfrs. and jobbers..lb. .26 - —
service men and consumers, 500-lb..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - .40
60-499 lb. cyl.....lb. .40 - —
Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 150-lb. cylinders; 20-lb. cylinders 10c. per pound higher.

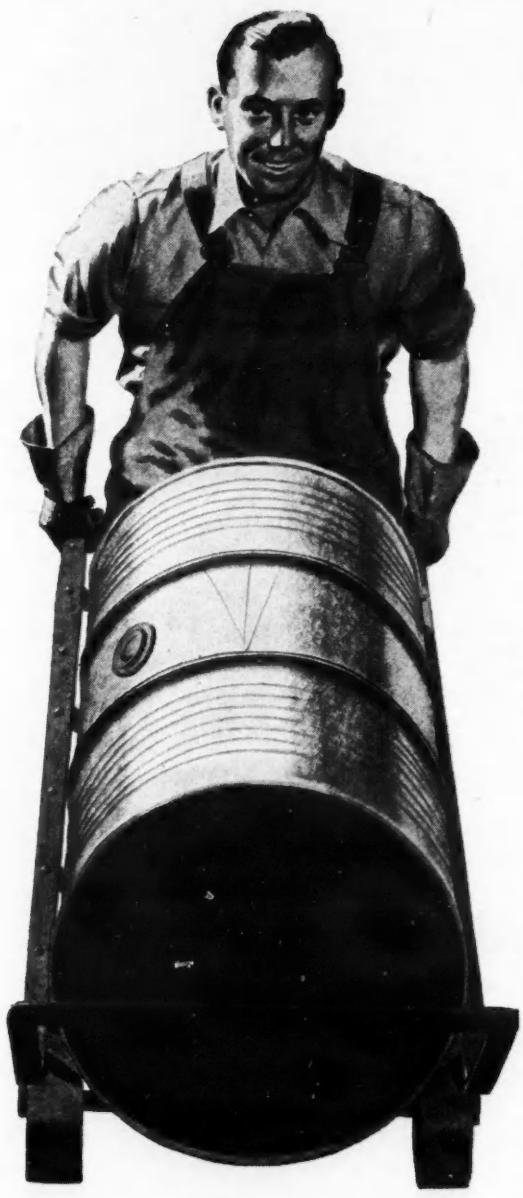
Alcohol (see Methanol).
Cinnamate, cns. .....lb. 2.00 - 2.50
Formate, dms.....lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate, dms., 500 lbs.....lb. .25 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .55 - .62
Methylcyclohexane, 96-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 96-100%, dms. works .lb. .23 - —
Methylcyclohexanone, 96-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs., works. lb. 2.00 - 2.15
cns., works.....lb. 2.25 - —
Chloride, refrig., dms., wks..lb. .19 - .22
solvent, dms., works.....lb. .12 - .15
Methylenedianilin, lbs., ton lots, min. frt. alld..lb. .25 - —
smaller lots, same basis. ...lb. .27 - —
Methylethyl ketone, dms., dlvd.lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.00 - 4.00
Methylpentanediol, dms., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .25½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 to 80 mesh, works. ton.50.00 -60.00
graphite, bulk, Pa., mines.ton.80.00 - —
wet-grd., biotite, bgs., c.l., works frt. alld. E..lb. .05 - —
l.c.l., ex whse., or frt. alld. E..lb. .05½- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —

Mica, wet-grd., paint or lacq., bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¾- —
l.c.l., ex whse. or frt. alld. E..lb. .06¼- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.
Milk powder,[7] skimmed, roller, bulk, c.l..lb. .15½- .17¼
spray, bulk c.l.....lb. .15¾- .17¼
whole, roller, bbls., c.l....lb. .40 - .41
spray, bbls., c.l.....lb. .41 - .42
Milk sugar, bbls., c.l., works..lb. .28 - —
l.c.l., works.....lb. .36¾- .37¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[8] blackstrap, tanks, works Area 1..gal. .18 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
Area 5.....ton.34.00 - —
Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[6] kgs., 90% powd..lb. 2.60 - 3.00
Trioxide,[6] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%...lb. .64 - —
Monochlorobenzene, dms., c.l., works, frt. equalized with comp. points..lb. .06 - .06½
l.c.l., works.....lb. .06½- .07½
tanks, works, frt. equalized with comp. points..lb. .05½- —
smaller containers, works.. lb. .09 - .10
Monoethanolamine, dms., c l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%..lb. .18 - —
tanks, 100% basis, works..lb. .15 - —
Monomethylene, anhydrous, cyl., works, frt. alld. E. of Miss. 100% basis..lb. .32½- —
solution, dms., works, frt. alld. E. of Miss., 100% basis. lb. .37 - .43½
tanks, same basis.....lb. .32 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).

Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs. .....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.60 - —
cns., 25 ozs. .....oz. 9.60 - —
Hydrobromine, 5 ozs. .....oz. 8.85 - —
cns., 25 ozs. .....oz. 8.75 - —
Hydrochloride, bots., 5 ozs...oz. 9.60 - —
cns., 25 ozs. .....oz. 9.50 - —
Sulphate, bots., 5 ozs.....oz. 9.50 - —
cns., 25 ozs.....oz. 9.30 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .15
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs. or more..lb. 4.00 -12.00
25 lbs. .....lb. 4.10 -12.10
5 lbs. .....lb. 4.25 -12.25
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs. .....lb. 4.25 - 9.35
5 lbs. .....lb. 4.40 - 9.70
xylol, cns. .....lb. 1.40 - 2.60
25 lbs. .....lb. 1.50 - 2.60
5 lbs. .....lb. 1.65 - 2.80
Muskroot, bls.....lb. No prices
Mustard seed, Calif., Brown, bgs. lb. .16 - .16½
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .22½- .23
Dutch, yellow, bgs.....lb. .22½- .23
Montana, brown, bgs.....lb. .14 - .14½
oriental, bgs. .....lb. .11 - .11½
futures, f.o.b. source..lb. .09 - .09½
yellow, bgs.....lb. No prices
futures, f.o.b. source...lb. .20 - .21
Washington, yellow, bgs.....lb. No prices
Myrobalans, whole, J1, U. S. ports, ex dock..ton.48.00 -47.00
J2, same basis.....ton.42.00 - —

TODAY, DRUMS ARE THE LIFELINE FOR CHEMICALS



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Help Us KEEP 'EM FULL!

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THE DOW CHEMICAL COMPANY • MIDLAND, MICHIGAN

New York • Boston • Philadelphia • Washington • Cleveland • Detroit • Chicago
St. Louis • Houston • San Francisco • Los Angeles • Seattle

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).

Naphthalene, dom., crude, 74°, bgs., c.l., frt. equald..lb. — - —
bbls., c.l., same basis..lb. — - —
tanks, same basis.....lb. .033 - —
78°, bgs., c.l., same basis. lb. — - —
bbls., c.l., same basis..lb. .0410- —
tanks, same basis.....lb. .0375- —
refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works..lb. .09½- —
50-lb. cs., same basis....lb. .09¾- —
1-lb. pkgs., same basis..lb. .11 - —
Neocinchophen, USP, dms., works. lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rocheater, N. Y...ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nepheline syenite in bgs. is $2 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 1.95
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .39 - —
Chloride, bbls. .....lb. .20 - —
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.. .....lb. .35 - .38
Salt, bbls. .....lb. .14 - .14½
Nicotinamide, USP, dms., works, kilo. 2.50 - 2.80
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 99 lbs..lb. .8660- —
tins, 10 lbs. .....lb. 1.015 - —
Nikethamide, bots., cbys.....lb. 7.00 - 8.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .06 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .38 - —
5-6, 40-60 cps., same basis. lb. .27 - —
Ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

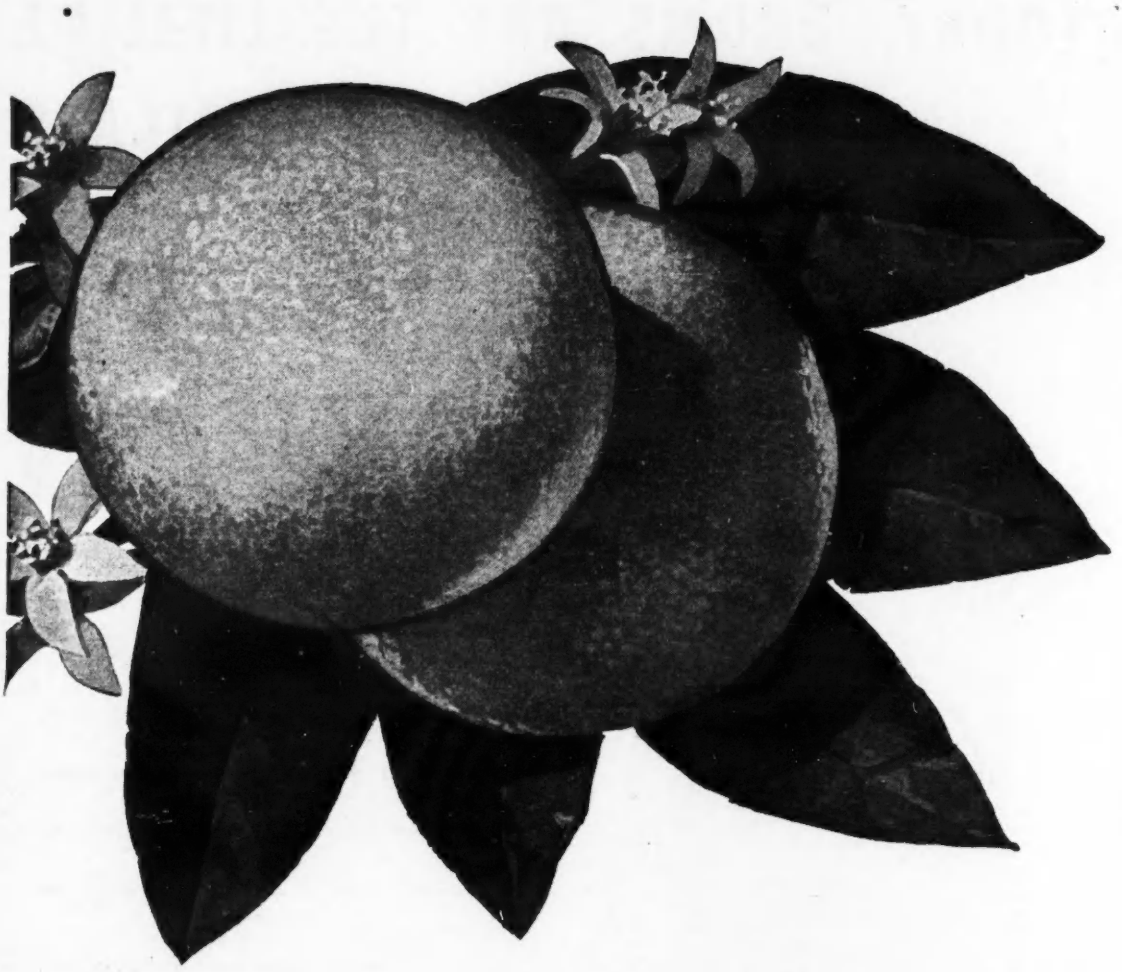
Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton.108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.

Nitrogenous process tankage, bulk, works..unit-ton. 4.00 - 4.50
Sewage sludge, bulk, works.... unit-ton.3.80+.40- —
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots. .....lb. .24 - .25
Nitropropane 1, dms., works..lb. .25 - —
M, dms., works.....lb. .25 - —
Nutgalls, bgs.....lb. .44 - .50
Nutmegs, West Indian, bgs., Dec. lb. .81 - .82
Nux vomica, bls. .....lb. .09½- .10
powder, bbls., bxs.....lb. .12 - .13

O

Oakbark extract, 25% tannin, bbls., c.l., works..lb. No stocks
Octane, 100° C-140° C, industrial grade dms., c.l., G.S..gal. .15½- —
l.c.l., G. S.....gal. .26 - —
10 gals., G. S.....gal. .55 - —
tanks, G. S.....gal. .13 - —
Octanol, (see Alcohol, ethylhexyl).
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.A., bots.....lb. 4.35 - 5.00
USP, bots .....lb. No prices
sweet, exp., dms., cns....lb. 1.10 - 1.45
Angelica root, bots.....lb.115.00 -275.00
Seed, bots..... .....lb.115.00 -265.00
Anilin (see A).
Anise, USP, Chinese, dms....lb. 1.25 - 1.50
Russian, cns.....lb. 3.75 - —
Apricot kernel, cns.....lb. .65 - .85
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu, tanks .....lb. No prices
Bay, W. I., 50-55%, cns....lb. 1.40 - 1.70
Puerto Rican, 50-55%, cns..lb. 1.58 - 1.80
Bergamot, artif., cns.....lb. 2.25 - 5.50
natural, Italian, cns.....lb. 4.50 - 6.50
Birch (see Oil, sweet, birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 5.25 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.70 - 2.90
redistilled, USP IX, cns...lb. 2.85 - 3.20
Calamus, cns. .....lb.20.00 -30.00
Camphor, white, nat., cns...lb. .85 - 1.25
synthetic, dms. .....lb. .75 - .85
Cananga, native, cns.....lb. 8.00 -14.00
rectified, cns.....lb.10.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 6.00 - 8.75
Cardamom, bots. .....lb.19.00 -30.00
Cassia, USP, cns.....lb. 3.50 - 6.50
Castor, blown, ret. dms., c.l..lb. No prices
l.c.l. .....lb. No prices
cold-pressed, USP, ret. dms., c.l..lb. .30 - —
l.c.l. .....lb. .31 - —
tanks .....lb. .29 - —
dehydrated, bodied, dms., c.l. lb. No prices
l.c.l. .....lb. .36 - —
tanks .....lb. .35½- —
unbodied, dms., c.l.....lb. No prices
l.c.l. .....lb. .35½- —
unbodied, tanks.....lb. .35 - —
No. 3, tech., dms., c.l.....lb. .29¾- —
l.c.l. .....lb. .30¾- —
tanks .....lb. .25¾- —
sulphonated, 50% (46% fat), dms., c.l..lb. No prices
l.c.l. .....lb. .17 - .19½
75% (62-64% fat), dms., c.l. lb. No prices
l.c.l. .....lb. .26 - .27¼
Cedarleaf, USP, cns., dms..lb. 2.55 - 2.70
Cedarwood, USP, cns.....lb. .80 - 1.30
dms. .....lb. .86 - 1.15
Celery, bots.....lb.17.00 -22.00
Chaulmoogra, USP, cns.....lb. .85 - .85
Chinawood (see Oil, tung).
Cinnamon bark oil, bots.....lb.32.00 -55.00
leaf, dms .....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 2.10 - 2.75
Java, cns. .....lb. 4.75 - —
Clove, USP, cns.....lb. 1.45 - 1.85
Coconut, Ceylon type, tankcars. lb. .19½ Nom.
Pac. Coast, tankcars.....lb. .18 - —
refined, Cochin type.....lb. No prices
bleached, undeod., tankcars. lb. No prices
deod., tankcars.....lb. No prices
Cod, Newfoundland, dms..gal. No prices
tanks .....gal. No prices
Codliver, USP, bbls., dms..gal. 2.60 - 3.30
Coriander, bots.....lb.18.00 -22.50
Corn, crude, tanks, works...lb. .27½- —
deod., bichd., tanks, Chicago.. lb. No prices
foots, acid, 95%, tanks, divd. E..lb. No prices
raw, 50%, tanks, divd. E.lb. No prices
Cottonseed, crude, tanks, works (see Cottonseed Oil market report).
foots, acid 95%, tanks, divd. E..lb. No prices
raw, 50%, tanks, divd. E. lb. No prices
salad, or winterized, tankcars lb. No prices
Creosote (see C).
Creton, NF, cns.....lb. 4.75 - 5.50
Cubeb, cns. .....lb. No prices
Crude (see Petroleum, crude)
Cumin, bots .....lb. 8.50 -22.00
Cypress, bots .....lb.12.00 -16.00
Degras (see D).
Dillseed, bots. .....lb. 6.75 - 7.00
Dillweed, bots.....lb. 4.75 - 5.25
Dip (see D).
Erigeron, cns.... .....lb. 2.25 - 4.40
Eucalyptus, USP, rect., 80-90%, cns..lb. 1.18 - 1.45
70-80%, cns.....lb. 1.00 - 1.40
Fennel, sweet, cns .....lb. 3.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver, dms., less than 40,000 A units per gram.... per million units. .30 - —
for each 1,000 additional A units up to 200,000 grams. per million units. .001 - —
200,000 or more A units..... per million units. .40 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz.15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.16.00 -28.00
Bourbon, cns..... .....lb.16.50 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.10.50 -14.00
Grapefruit, Florida, cns.....lb. 2.20 - 2.45
California, bots., cns.....lb. 2.30 - —
Grease, common, No. 1, bbls., c.l..lb. No prices
extra, No. 1, bbls., c.l...lb. No prices
Winter strained, bbls., c.l..lb. No prices
prime, burning, bbls., c.l..lb. No prices
inedible, bbls., c.l.....lb. No prices
Guaiacwood, cns.....lb. 2.90 - 4.00
Hemlock, cns. .....lb. 2.60 - 2.75
Herring, crude, tanks, Pac. coast..lb. No prices
Juniper berry, dom., bots....lb. 6.00 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .65 - 1.00
Lard oil (see Oil, grease).
Laurel, bots. .....lb. No prices
Lavandin, cns. .....lb. 4.00 - 5.00
Lavender flower, French, 35%-42% ester, cns..lb.10.00 -17.00
30-32% ester.....lb. 6.00 -10.00
Russian, cns.....lb.13.75 - —
Spike, Spanish, pure, cns...lb. 2.05 - 3.10
tech., cns. .....lb. 1.05 - 2.50
Lemon, USP, Calif., cns.....lb. 3.25 - 3.45
Messina, cns. .....lb. 3.25 - 4.00
Terpeneless, bots.....lb.40.00 -50.00
Lemongrass cns., dms.....lb. 3.80 - 4.45
Lignaloe seed, Mexican, cns.lb. No stocks
Wood, Mexican, cns.....lb. 4.60 - 5.75
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb. 5.25 - 7.20
West Indian, cns.....lb. 6.00 - 7.50
expressed, West Indian, cns.lb.13.50 -15.00
Linseed, raw, dms., c.l.....lb. .3580- —
l.c.l. .....lb. .3620- .3680
tankcars .....lb. .3480- —
tankwagon .....lb. .3500- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .3180- .3270
l.c.l. .....lb. .3220- .3330
tanks .....lb. .3080- .3090
Lubricating, at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-d pour, tanks..gal. .07¼- .11
red, 200-800 vis., 4-6¼ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - .35
neutral, 300 vis., No. 3, col., 0.10 pour, tanks, gal. .15½- .19
200-300 vis., No. 3, col., 15-25 pour, tanks gal. .16 - .18
145-155 vis., No. 3, color, 10-25 pour, tanks gal. .30 - .31
cylinder oils, 600-650 flash, tanks..gal. .17 - .19
600-650 steam, refd., tanks..gal. .15½- .20
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks, gal. .26 - .28
200 vis., 25 pour, tanks, gal. .28 - .30
Mace, dist., cns., dms.....lb. 8.50 - 9.00
Mineral, white (see Oil, white).
Mandarin, Brazilian, cns....lb. 5.25 -10.00
Menhaden, crude, tanks, Balto. lb. No prices
refined, alkali, dms., c.l...lb. .30½- —
kettle-bodied, dms., l.c.l..lb. .32 - —
light-pressed, dms., l.c.l..lb. .29 - —
tanks .....lb. .28 - —



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OIL OF
ORANGE
U. S. P.

Oil, mustard, artif., USP, cns..lb. 1.45 - 1.65
Seed, exp., dms., c.l.....lb. .39 - —
Neatsfoot, 15°, bbls.....gal. No prices
20°, bbls. .....gal. No prices
30°, bbls. .....gal. No prices
pure, bbls.....lb. No prices
Neroli, French, bots.....lb.150.00 -300.00
Haitian, bots. .....lb.170.00 -300.00
Nutmeg, cns. .....lb. 8.50 - 9.00
Ocotea cymbarum, dms.....lb. .90 - 1.00
Officica, liquid, tankcars....lb. .33½- —
dms., carlots.....lb. .34½- —
l.c.l. .....lb. .34½- —
Oleo, extra, tcs., Chicago....lb. .30 - —
Olibanum, bots. .....lb. 5.00 -10.50
extra fine.....lb. 6.25 - —
Olive, denat., dms.....gal. No stocks
edible, Calif., 3%-4½% f.f.a., dms., extra, works...gal. No prices
imported, dms. .....gal. 3.00 - 3.50
feets, dms., c.l.....lb. No prices
tankcars .....lb. No prices
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (65% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
85% (69% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - 1.75
expressed, USP, Brazilian, cns..lb. 1.45 - 2.00
Calif., cns. .....lb. 1.80 - 2.00
Florida, cns., dms.....lb. 1.45 - 1.80
Messina, coppers.....lb. No stocks
West Indian, cns. .....lb. 2.25 - 2.75
sesquiterpeneless, bots. ....lb.100.00 -125.00
Origanum, Spanish, cs.....lb. 2.40 - 3.25
Palm, Niger, dms.....lb. No prices
Palmarosa, cns. .....lb. 8.50 - 9.50
Palmkernel, crude, bulk, c.l.f., N. Y..lb. No prices
Paraffin, 300° flash, 100-110 vis., tanks, G.S..gal. .05¾- —
320° flash, 60-70 vis. tanks, G.S..gal. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S..gal. .06 - —
80-85 vis., 0/10 pour bbls. extra, Ind. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .06¼- —
10/25 pour, same basis.gal. .06¼- —
Patchouli, imported, cns....lb.58.00 -114.00
Peanut, bleached, undeord.. tankcars..lb. No prices
crude, tanks, works.....lb. .27½- .28
feots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd., E.lb. No prices
hydrogenated, tankcars.... lb. No prices
Pennyroyal, dom., dms., cns.lb. 3.85 - 3.95
import, cns. .....lb. 4.25 - 5.00
Peppermint, natural, dms...lb. 7.75 - 8.25
redist., USP, dms.....lb. 8.50 - 8.75
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns...lb. 3.60 - 4.75
Pimento, berry, dms.....lb. 6.75 - 8.00
Leaf, cns. .....lb. 3.25 - 3.65
Pine, destructively dist., dms., c.l., incl. wks., South..gal. .70 - —
l.c.l., same basis.....gal. .71 - —
tanks, wks., South.....gal. .61 - —
steam-dist., dms., dlvd. E.gal. .80 - —
Pineneedle, cns. .....lb 3.35 - 3.65
Putty, petroleum, heavy, dms. gal. .15 - —
tankwagon .....gal. .12½- —
tigot, dms.....gal. .13½- —
tankwagon .....gal. .12½- —
Rapeseed, bulk .....lb. No prices
Red, single dist., ret. dms...lb. .29¾- .30¾
tanks, dlvd., E. of Rockies. lb. .29½- —
double dist., ret. dms.....lb. .32¾- .33¼
Rose, natural, coppers.....oz.31.25 -40.00
Rosemary, Spanish, tech., cns., dms..lb. 1.10 - 1.50
USP, cns., dms.....lb. 1.45 - 1.75
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms..... gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Dalmatian, cns.....lb. 5.75 - 6.50
Spanish, cns. .....lb. 2.85 - 3.00
Sandalwood, NF, Mysore, cns., case lots..lb.11.15 -21.00
Sardine, crude, tanks Pac. coast..lb. .28½- —
refined, alkali, dms., l.c.l..lb. .30½- —
kettle-bodied, dms., l.c.l..lb. .32 - —
light-pressed, dms., l.c.l..lb. .29 - —
tanks .....lb. .28 - —
Sassafras, artificial.....lb. .80 - 1.10
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms..lb. 1.95 - 2.30
Savin, cns.....lb. 6.25 -30.00
Savory, cns.....lb. 8.00 - —
Seal, No. 1, tanks, U.S. ports. lb. No prices
Sesame, tanks .....lb. No prices
Shingle stain, bbls., c.l., works, gal. .2186- —
l.c.l., works.....gal. .25 - .29
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb.27.00 - —
Soybean, clarified, dms., l.c.l. lb. .27½- —
tanks .....lb. .26½- —
crude, tankcars, mills.....lb. .25 - —
winterized, tankcars, Decatur..lb. No prices
refd., alkali, tanks.....lb. .2720- —
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E.lb. No prices
Spearmint, dms. .....lb.12.25 -15.00
Sperm, bleached, 38°, dms...lb. No prices
natural, 45°, dms.....lb. No prices
Spruce, cns., dms.....lb. 2.60 - 2.75
Sunflower, imported, refined, tanks..lb. No prices
semi-refined, tanks.....lb. No prices
Sweet birch, North, cns....lb. 5.00 - 7.25
South, cns.....lb. 2.50 - 3.25
Tall, crude, dms., c.l., works. ton. No prices
l.c.l., works .....ton. No prices
tanks, works .....ton. No prices
refined, dms., c.l., works..lb. .07¾- .08
l.c.l., works.....lb. .08¼- .08¾
tanks, works.....lb. .07 - .07¼
Tallow, acidless, bbls., c.l., Chicago..lb. No prices
tanks, Chicago .....lb. No prices
Tansy, cns. .....lb.12.00 - —
Tar, pine, crude, dms. incl., c.l., dlvd. E. cities..gal. .43 - —
l.c.l., works, South....gal. .40¾- —
tanks, dlvd. E. cities....gal. .34¼- —
rectified, USP, l.c.l. dms. incl., wks., South..gal. .60 - —
Tar acid (see T).
Thyme, red, NF, cns.....lb. 2.60 - 3.65
White, cns. .....lb. 2.85 - 3.75
technical, cns.....lb. .75 - .93
Tung, dms., c.l.....lb. .39¾- —
l.c.l. .....lb. .40¾- .41
tankcars .....lb. .38¾- —

Oil, turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .50 - .55
Vetiver, Bourbon, cns.....lb.24.00 -42.50
Haitian .....lb.29.50 -35.00
Whale, ref., natural, dms...lb. No stocks
Winter bleached, dms.....lb. No stocks
Wheat germ, dms.....gal.10.00 -12.50
White, mineral, tech., 59-63 vis., dms., incl., c.l..gal. .40 - —
l.c.l. .....gal. .43 - .47
65-75 vis., dms., dms. incl., c.l..gal. .41 - —
l.c.l. .....gal. .44 - .48
USP, 80/90 vis., dms., dms. incl., c.l..gal. .43 - —
l.c.l. .....gal. .46 - .50
125/135 vis., dms., dms. incl., c.l..gal. .54½- —
l.c.l. .....gal. .57½- .61½
145/155 vis., dms., dms. incl., c.l..gal. .53½- —
l.c.l. .....gal. .59½- —
175/185 vis., dms., dms. incl., c.l..gal. .59 - —
l.c.l. .....gal. .62 - .66
200/210 vis., dms., dms. incl., c.l..gal. .66 - —
l.c.l. .....gal. .66 - .70
325/345 vis., dms., dms. incl., c.l..gal. .71 - —
l.c.l. .....gal. .74 - .78
55, 70 and 95 vis., non-ret. dms., SanFrancisco..gal. .45 - —
smaller lots, same basis. gal. .47 - .50
100 vis., non-ret. dms., 65 dms., San Francisco..gal. .50½- —
smaller lots, same basis. gal. .57½- .61½

Oil, white mineral, USP, 145 vis., non-ret. dms., 65 dms., San Francisco..gal. .64 - —
smaller lots, same basis gal. .66 - .69
180 vis., non-ret. dms., 65 dms., San Francisco..gal. .69½- —
smaller lots, same basis gal. .71½- .74½
240 vis., non-ret. dms., 65 dms., San Francisco.gal. .81 - —
smaller lots, same basis gal. .82 - .86
Wintergreen, natural, North, cns..lb. 5.50 -17.25
South, cns. .....lb. 3.65 - 6.00
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns.....lb. 5.00 - 6.75
Wormwood, cns. .....lb.10.00 -12.25
Ylang-ylang, Bourbon, extra, bots..lb.18.00 -24.00
first, bots.....lb.14.00 -17.50
second, bots.....lb. 9.50 -14.00
third, bots.....lb. 5.75 - 9.00
Oleostearin, loose, Chicago....lb. No prices
Olivine, aggregate, c.l., mines.. ton. 7.00 - 8.00
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works. ton. 7.00 - —
spalls, paper bgs., c.l., works. ton. 8.00 - —
Opium, USP, cns.....lb.21.00 -21.25
gran. .....lb.22.70 -23.05
powd. .....lb.22.70 -23.05
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies. lb. .05 - .35

Orange, chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .32½- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dinitroanilin, toner.....lb. 1.12 - —
Molybdate, bbls. .....lb. .37½- —
Orthonitroanilin toner, bbls., kgs., works..lb. .32 - 1.85
Persian, bbls. .....lb. .30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .15 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .15½- —
Mont., Wyo., Colo., N. Mex..lb. .15¾- —
other paints .....lb. .17½- —
smaller lots, Ala., etc....lb. .15½- —
Ariz., etc. .....lb. .19 - —
Colo., Mont., N. Dk., Wyo..lb. .22½- —
other paints .....lb. .15½- —
Orange flowers, bis.....lb. .60 - .65
Orange peel, bitter, Haitian, bis. lb. .13 - .15
Sweet, bis. .....lb. .13½- .14

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The new odor successes in the perfume and cosmetic field will be based on these.

AMUSKAL
A high carbon chain chemical giving surprising lift to perfume products to which it is added. It also enhances lasting qualities — very little goes a long way. Economical to use. Write for sample and prices.

CUIRUSAL
Powerful aldehyde useful in floral and many fancy bouquets. (Russian Leather)

ALDEHYDE FK
Basis for Lilacs to create richer, stronger Lilac Odor. Add up to 10% Aldehyde FK.

RESEDALIA
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TUBEROL
Basis for Tuberose odors and perfumes for creams, lotions, etc.

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A Ketone basis with Patchouly note for Violet Odors.

ETHYLENE GLYCOL ACETAL OF PHENYL ACETALDEHYDE
Softener and homogenizer for all types of Floral Odors.

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Oregano, Italian, bgs.	lb.	.37 - .37½
Portuguese, bgs.	lb.	.34½- .35½
Orris root, Florentine, bls.	lb.	.40 - .41
Verona, bls.	lb.	.35 - .36
Portuguese, bls.	lb.	.35 - .36
Orthoamylphenol, dms., works.	lb.	.26 - —
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloroanilin, dms.	lb.	.60 - —
Orthochlorophenol, dms.	lb.	.26 - .27
Orthocresol, 30.4° C., min., M.P., dms., c.l., works.	lb.	.17½- .22
l.c.l., works	lb.	.18 - .18½
29° C. min., M.P., dms., c.l., works.	lb.	.16½- .17
l.c.l., works	lb.	.17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.07 - —
l.c.l., same basis	lb.	.09 - —
tanks, same basis	lb.	.06½- —
Orthodichlorobenzene price W. of Rockies 1c. per lb. higher.		
Orthonitroaniline, dms.	lb.	.43 - .5b
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitrodiphenyl, tech., grade A., dms., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.11 - —
grade B, dms., c.l., works.	lb.	.06 - —
l.c.l., works	lb.	.07 - —
Orthonitroparachlorophenol, cns.,	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - .09
Orthophenetidin, dms.	lb.	.90 - —
Orthotoluidin, dms.	lb.	.18 - .19
Osage orange crystals, bbls.	lb.	.29 - —
extract, No. 1, bbls.	lb.	.14 - —
Ouabaine, USP, bots.	gram	3.60 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works.	lb.	2.80 - —
small lots, works	lb.	3.75 - 4.15

P

Papain, powd., cs.	lb.	6.50 - 6.75
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots.	oz.	7.00 - —
smaller lots.	oz.	7.05 - 7.35
Sulphate, cns.	oz.	7.10 - 7.35
Paprika, Calif., sweet Caliente, ground, bgs.	lb.	.40 - .41
Chilean, bgs.	lb.	.38 - .38½
Portuguese, bgs.	lb.	.46 - .48
Spanish, bgs.	lb.	.48½- .50
Para-anisidin, dms., works.	lb.	.75 - —
Parachlorophenol, dms., c.l., works,	lb.	.24 - —
l.c.l., same basis	lb.	.25 - .27
Paracresol, bbls., works.	lb.	.41 - —
Paracymene, dms., c.l., works.	lb.	.1535- —
l.c.l., same basis	lb.	.1645- —
tanks, same basis	lb.	.1545- —
Paradichlorobenezene, dms., c.l., works.	lb.	.12½- —
l.c.l., same basis	lb.	.14 - —
Paraffin, crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery.	lb.	.06 - —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery.	lb.	.05 - —
122-125 ASTM, refinery.	lb.	.0520- —
125-127 ASTM, refinery.	lb.	.0620- —
125-130 ASTM, refinery.	lb.	.0560- —
130-132 ASTM, refinery.	lb.	.0585- —
133-135 ASTM, refinery.	lb.	.0615- —
135-137 ASTM, refinery.	lb.	.0640- —
Prices in bags 4/10c. lb. higher.		
Paraformaldehyde, dms. 1,000 lbs. or more, works.	lb.	.21 - —
smaller lots, works	lb.	.23 - —
Paraldehyde, tech., 96% 55 and 110-gal. dms., l.c.l., wks.	lb.	.12 - —
10-gal. dms., works.	lb.	.15 - —
USP, cbys., cns.	lb.	.35 - .45
Paranitroanilin, kgs., works.	lb.	.41 - .43
Paranitrochlorobenzene, kgs., wks.	lb.	.10 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs., works.	lb.	.30 - —
Paraphenylenediamine, tech., kgs.	lb.	1.25 - —
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls., works.	lb.	.44 - —
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.26 - —
l.c.l., same basis	lb.	.27 - —
Passion flower herb, bls.	lb.	.30 - .33
Patchouli leaves, bls.	lb.	.38 - .40
Pectin, bbls.	lb.	1.25 - —
Penicillin,[4] ampuls, per 100,000 unit.		.38 - —
Pennyroyal leaves, bls.	lb.	.24 - .25
Pentachlorophenol, dms., works,	lb.	.30 - .35
Pentaerythritol, CP, bbls. dlvd.	lb.	.75 - —
smaller containers	lb.	1.00 - —
tech., bbls., c.l.	lb.	.27 - —
l.c.l.	lb.	.31 - —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3,	gal.	.11 - —
l.c.l., dms., Group 3.	gal.	.19 - —
tanks, Group 3.	gal.	.07½- .07¾
28°-38° C. laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3.	gal.	.16 - —
l.c.l., Group 3.	gal.	.29 - —
Pepper, black, bgs.	lb.	.60 - .62
futures, bgs., Jan.	lb.	.50 - .52
Red, capsicum, Carolina longs, new crop, bgs., shipment point.	lb.	.55 - .56
sports, old crop, bgs.	lb.	No stocks
Pepper, red, capsicum, Louisiana, longs, new crop, bgs., shipment point.	lb.	.42 - .43
sports, bgs.	lb.	No stocks
Niger, bgs.	lb.	.45 - .46
Chillies, Haitian, bgs.	lb.	.56 - .57
Mexican, long.	lb.	.50 - .51
White, bgs.	lb.	.63 - .64
Peppermint, dom., USP, bls.	lb.	1.20 - 1.25
imported, USP, bls.	lb.	1.25 - 1.30
Perchloroethylene, dms. c.l., Zone 1, works, frt. alld.	lb.	.0773- .0800
Zone 2, same basis.	lb.	.0862- .0890
Zone 3, same basis.	lb.	.0882- .0900
Zone 4, same basis.	lb.	.0876- .0900
l.c.l., Zone 1, same basis.	lb.	.0862- .0890
Zone 2, same basis.	lb.	.0882- .0900
Zone 3, same basis	lb.	.0882- .0950
Zone 4, same basis.	lb.	.0926- .0950

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va. Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah Wash.

Peru balsam, dms.	lb.	1.25 - 1.30
Petrolatum, tech., dark, bbls., c.l., Group 3.	lb.	.021 - —
golden topax, bbls., c.l.	lb.	.023 - —
l.c.l.	lb.	.025 - —
red, veterinarian, bbls., c.l.	lb.	.024 - —
l.c.l.	lb.	.028 - —
USP, amber, non-ret. dms., c.l.	lb.	.04½- —
l.c.l.	lb.	.05½- —
extra amber, dms., c.l.	lb.	.04½- —
l.c.l.	lb.	.05½- —
cream, c.l., dms.	lb.	.05½- —
l.c.l.	lb.	.07½- —
white, lily, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.06½- —
snow, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.60 - —
soft, dms. c.l.	lb.	.05½- —
l.c.l.	lb.	.07½- —
yellow, soft, dms., c.l.	lb.	.03½- —
l.c.l.	lb.	.05½- —
Petroleum, crude, bulk, at wells, California, heavy grades.	bbl.	1.28 - 1.30
Illinois	bbl.	1.40 - 1.62
Kentucky, Union County,	bbl.	1.72 - 1.77
Louisiana-Arkansas	bbl.	1.19 - 1.26
Montana	bbl.	1.30 - 1.70
Oklahoma-Kansas	bbl.	1.30 - 1.90
Pennsylvania, lower field.	bbl.	3.30 - 3.55
Upper field.	bbl.	1.76 - 3.30
Texas East	bbl.	1.30 - 1.72
Gulf coast	bbl.	1.38 - 1.93
North, North-Central.	bbl.	1.46 - 1.70
Panhandle	bbl.	1.28 - 1.70
West	bbl.	1.15 - 1.83
Wyoming	bbl.	.96 - 1.70
Ether, laboratory grade, 30°-60° C. 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3.	gal.	.16 - —
l.c.l., same basis.	gal.	.29 - —
35°-60° C, 10-gal. cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3.	gal.	.16 - —
l.c.l., same basis.	gal.	.29 - —
40°-75° C., 10-gal., cns., dlvd. E.	gal.	.55 - —
dms., c.l., Group 3.	gal.	.16 - —
l.c.l., same basis.	gal.	.29 - —
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 2.	gal.	.04½- —
No. 3.	gal.	.04½- —
Bayonne, No. 2, tanks.	gal.	.0340- —
California, heavy	bbl.	1.25 - 1.30
light	bbl.	1.35 - 1.40
diesel	gal.	.04½- .05½
Group 3, No. 1.	gal.	.04½- .04½
No. 2, straw.	gal.	.04½- .04½
No. 3.	gal.	.04 - .04½
Oklahoma, No. 1, p.w.	gal.	.04½- .05½
No. 1, straw.	gal.	.04½- —
No. 2, straw.	gal.	.04½- .04½
No. 3.	gal.	.04 - .04½
No. 6.	bbl.	1.15 - 1.35
range	gal.	.04½- —
Pennsylvania, No 1.	gal.	.06½- .07
No. 2.	gal.	.06½- .06½
No. 3.	gal.	.06½- .06½
36-40 gravity	gal.	.06½- —
Bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.92 - —
Baltimore, Md.	bbl.	1.73 - —
Boston, Mass.	bbl.	1.96½- —
Charleston, S. C.	bbl.	1.83 - —
Jacksonville, Fla.	bbl.	1.63 - 1.83
New York, N. Y.	bbl.	1.92 - 2.02
Norfolk, Va.	bbl.	1.88 - 1.98
Philadelphia, Pa.	bbl.	1.92 - 2.02
Portland, Me.	bbl.	2.01 - 2.06
Providence, R. I.	bbl.	1.96 - 2.04
Savannah, Ga.	bbl.	1.88 - —
Lacquer diluent, California, 100 i.b.n., 200 e.p., tanks, dlvd. Los Angeles.	gal.	.11 - —
Seattle, Wash.	gal.	.12 - —
East Coast, N. J., N. Y., tanks, refinery.	gal.	.12½- —
Group 3, benzol type tanks.	gal.	.06⅞- .06⅞
toluol type, tanks.	gal.	.06⅝- .06⅛
San Francisco.	gal.	.11½- —
Portland, Ore.	gal.	.12 - —
Mineral spirits, California, San Francisco, 170-250 b.r., tanks.	gal.	.11½- —
205-290 b.r., tanks.	gal.	.11½- —
244-362 b.d., tanks.	gal.	.11½- —
307-360 b.r., tanks.	gal.	.11 - —
312-402 b.r., tanks.	gal.	.10 - —
362-458 b.r., tanks.	gal.	.10 - —
East Coast, N. J., N. Y., tanks, refinery.	gal.	.11 - —
Group 3, tanks, refinery.	gal.	.07¼- —
Gulf coast, tanks.	gal.	.07½- —
tankwagon, Baltimore.	gal.	.14½- —
Boston	gal.	.13 - —
Buffalo	gal.	.13½- —
Camden, N. J.	gal.	.11½- —
Chicago	gal.	.1460- —
Detroit	gal.	.1710- —
Kansas City, Mo.	gal.	.143 - —
Lancaster, Pa.	gal.	.13½- —
Newark	gal.	.12 - —
New York.	gal.	.12 - —
Philadelphia	gal.	.13 - —
Pittsburgh	gal.	.13½- —
Providence	gal.	.15 - —
Rochester	gal.	.13½- —
St. Louis.	gal.	.140 - —
Syracuse	gal.	.15½- —
Washington, D. C.	gal.	.14½- —
Wilmington, Del.	gal.	.12 - —
Naphtha, cleaners, California, tanks, San Francisco.	gal.	.13 - —
East coast, N. J., N. Y., tanks, refinery.	gal.	.11 - —
Group 3, tanks, refinery.	gal.	.06¼- —
tankwagon, Newark.	gal.	.12½- —
Chicago	gal.	.14½- —
Detroit	gal.	.15½- —
New York.	gal.	.13 - —
Philadelphia	gal.	.128 - —
St. Louis.	gal.	.1470- —

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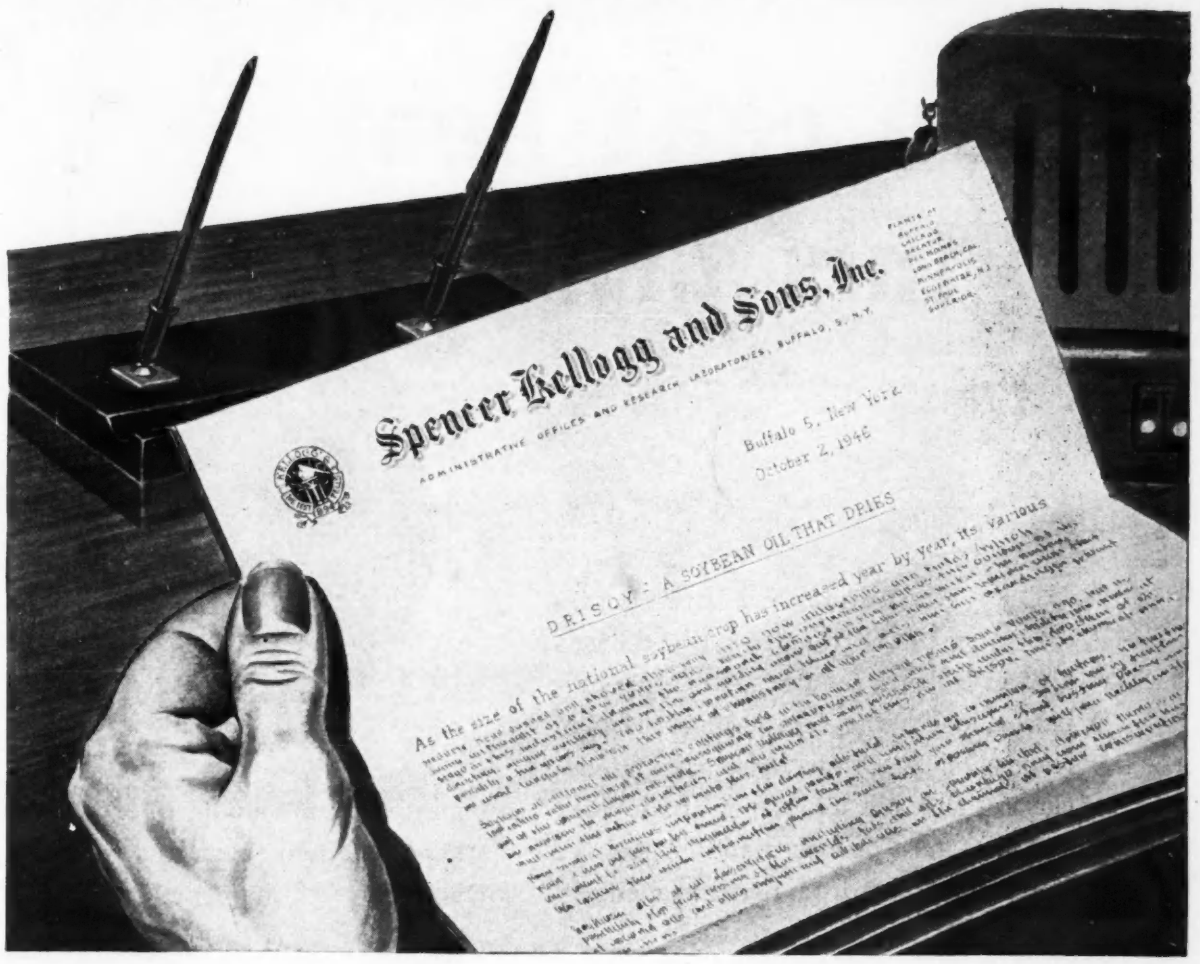
Petroleum naphtha, high-solvency, No. 8, tanks, Paulsboro, N. J.	gal.	.16 -	.22½
No. 30, tanks, same basis.	gal.	.17 -	.—
No. 40, tanks, same basis.	gal.	.17¼-	.23
No. A-80, tanks, Carteret, N. J.	gal.	.21½-	—
Chicago, Cincinnati, Detroit	gal.	.24	Nom.
No. B-90, tanks, all shipping points	gal.	.24½-	—
No. F-80, tanks, Carteret, N. J.	gal.	.23 -	—
V.M.&P., at refinery, California, 46.5, 254 i.b.p., 380 e.p., tanks, El Segundo	gal.	.12 -	—
Richmond	gal.	.12½-	—
Portland, Ore., Seattle, Wash.	gal.	.12 -	—
64-77, 190 i.b.p., 310 e.p., Los Angeles	gal.	.11 -	—
San Francisco	gal.	.11½-	—
Portland, Seattle	gal.	.12 -	—
E. Coast, N. J., N. Y., tanks, refinery	gal.	.13 -	—
Gulf Coast (divd. New Orleans), tanks	gal.	.09½-	—
tankwagon, Boston	gal.	.14 -	—
Chicago	gal.	.140 -	—
Detroit	gal.	.163 -	—
Milwaukee	gal.	.165 -	—
Minneapolis	gal.	.164 -	—
Newark	gal.	.13½-	—
New York	gal.	.13 -	—
Philadelphia	gal.	.13½-	—
Pittsburgh	gal.	.14½-	—
St. Louis	gal.	.159 -	—
Solvent, rubber, at refinery, California, San Francisco	tanks, gal.	.11½-	—
East Coast, N. J., N. Y.,	tanks, gal.	.12 -	—
Group 3, tanks	gal.	.08½-	—
Stoddard (C.S. 8-33), at refinery:—			
California (San Francisco)	tanks, gal.	.12 -	—
East Coast, N. J., N. Y.,			
Group 3, tanks	gal.	.07½-	—
Pennsylvania, western,	tanks, gal.	.07¾-	.08
tankwagon, Boston	gal.	.13 -	—
Chicago	gal.	.14½-	—
Detroit	gal.	.15½-	—
Milwaukee	gal.	.15½-	—
Minneapolis	gal.	.1540-	—
Newark	gal.	.13½-	—
New York	gal.	.12 -	—
Philadelphia	gal.	.11½-	—
Pittsburgh	gal.	.13 -	—
St. Louis	gal.	.14½-	—
Syracuse	gal.	.15½-	—
Sulphonates, 65% sulphonic content, ret. dms., c.l., works	lb.	.09¾-	—
l.c.l., works	lb.	.09¾-	.10¾
tanks, works	lb.	.09¼-	—
50% sulphonic content, ret. dms., c.l., works	lb.	.09¾-	—
l.c.l., works	lb.	.09¾-	.10¾
tanks, works	lb.	.09½-	—
Phenobarbital, dms., 100 lbs.	lb.	3.50 -	—
Phenol, 90-92% (cresol, 8-10%), dms., c.l., wks., frt. equald.	lb.	.11 -	.12½
l.c.l., same basis	lb.	.11¾-	.12
tanks, same basis	lb.	.10 -	.10½
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.11 -	.11¼
l.c.l., same basis	lb.	.11¾-	.12
tanks, same basis	lb.	.10 -	.10½
USP, dms., c.l., same basis	lb.	.11¼-	.13
l.c.l., same basis	lb.	.12 -	.13¼
tanks, same basis	lb.	.10¼-	.11¾
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85 -	—
smaller lots	lb.	.87 -	.92
Yellow, fib. dms., 2,000 lbs.	lb.	.80 -	—
smaller lots	lb.	.82 -	.87
Phenothiazin, NF, fib. dms., ton lots or more, works	lb.	.49 -	—
smaller lots, works	lb.	.54 -	—
Phenylacetaldehyde solution, 50%, bots.	lb.	2.35 -	2.50
pure, bots.	lb.	4.00 -	5.15
Phenylethyl acetate, dms.	lb.	2.15 -	3.00
Phenylethylphenyl acetate, bots.	lb.	5.35 -	7.50
Phenylhydrazin base, CP, bots.	lb.	4.55 -	—
Hydrochloride, CP, bots., works.	lb.	7.10 -	—
commercial, kgs., works	lb.	1.75 -	—
Phloroglucinol, CP, fib. dms.	lb.	13.75 -	14.75
tech., fib. dms.	lb.	12.00 -	12.55
Phosgene, ton lots, works	lb.	.19 -	—
Phosphate, defluorinated (see under D).			
Phosphate rock, Fla., land pebble unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l.	long ton.	2.60 -	—
70%-68%, same basis	long ton.	3.00 -	—
72%-70%, b.p.l., same basis	long ton.	3.60 -	—
75%-74%, b.p.l., same basis	long ton.	4.60 -	—
77%-76%, b.p.l., same basis	long ton.	5.60 -	—
entirely pebble 50c. per ton higher than above prices.			
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum	short ton.	3.15 -	—
68%, b.p.l., basis 31% P_2O_5 minimum	short ton.	3.35 -	—
70%, b.p.l., basis 32% P_2O_5 minimum	short ton.	3.70 -	—
Tennessee, brown, unground, run-of-mine, 70-68% b.p.l., 5½% i. & a., same basis	long ton.	5.50 -	—
72%-70%, b.p.l., 5½% i. & a., same basis	long ton.	6.00 -	—
refinery ground, 29% P_2O_5, same basis	long ton.	5.15 -	—
30% P_2O_5, same basis	long ton.	5.35 -	—
31% P_2O_5, same basis	short ton.	5.45 -	—
32% P_2O_5, same basis	short ton.	5.70 -	—
33% P_2O_5, same basis	short ton.	6.20 -	—
Phosphorus, red amorphous, cs.	lb.	.40 -	.44
tins, export	lb.	.55 -	—
yellow, cns.	lb.	.28 -	.29
dms., c.l.	lb.	.14½-	—
Oxychloride, dms., c.l.	lb.	.10½-	—
Pentoxide, dms., c.l., works	lb.	.11 -	.12
l.c.l., works	lb.	.13 -	.14
Sesquisulphide, cs.	lb.	.38 -	.42
Trichloride, dms., c.l.	lb.	.10½-	—
l.c.l.	lb.	.12½-	.15
Phthalamide, bbls., works	lb.	.33 -	.40
kgs., works	lb.	.45 -	.50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver	lb.	.14½-	—
l.c.l., same basis	lb.	.15½-	—
Pichi leaves, bgs.	lb.	.07 -	.08
Picoline (see Alphapicoline and Betapicoline).			
Picrotoxin, bots.	oz.	8.00 -	—
Pilocarpine hydrochloride, USP, bots., vials	oz.	5.25 -	6.50
Nitrate, bots., vials	oz.	5.15 -	6.25
Pimento, Jamaica, bgs.	lb.	.25 -	.25½
Pinetar, retort, dms., incl., c.l., divd. E.	gal.	.42 -	—
l.c.l., works, dms., incl.	gal.	.40¾-	—
l.c.l., whse., N.Y.C., dms. incl.	gal.	.40 -	—
tanks, divd. E.	gal.	.34¼-	—
Pinkroot, bls.	lb.	1.00 -	1.05
Piperazine hexahydrate, bots.	lb.	16.00 -	17.00
Pitch, burgundy (see B).			
Coaltar, 160° m.p., bbls., c.l., works	ton.	20.00 -	—
l.c.l., works	ton.	24.00 -	—
Cottonseed, dms., works	lb.	.10½-	.10¾
Hardwood, paper bgs., works.	lb.	.04 -	—
Linseed, dms.	lb.	No prices	
Petroleum (see Asphaltum, Mexican, Texas).			
Pine, dms.	100 lbs.	6.50 -	—
stands, 200 lbs.	stand.	6.00 -	—
Soybean, dms., works	lb.	.10¼-	.10½
Plaster of paris (see Gypsum).			
Podophyllin, dms.	lb.	12.25 -	12.50
Pokeroot, bls.	lb.	.16 -	.17
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld.	lb.	.32 -	—
20,000 lbs., frt. alld.	lb.	.33 -	—
smaller lots, frt. alld.	lb.	.34 -	.36
Water-clear, polystyrene, 7c. per lb. less than plain colors.			
Pomegranate, rust bark, bgs.	lb.	.75 -	.76
Poppy flowers, bls.	lb.	.60 -	.70
Seed, Argentine, bgs.	lb.	.19½-	.20
Danish, bgs.	lb.	.21½-	.22
Dutch	lb.	.24 -	.24½
Swedish, bgs.	lb.	.21 -	.21½
Turkish, bgs.	lb.	.21 -	.21½
Potash abietate	lb.	.08 -	—
Acetate, USP, dms.	lb.	.28 -	.33
Arsenite, USP, solut., cbys., djns.	lb.	No prices	
Bicarbonate, USP., cryst., gran., dms.	lb.	.20 -	—
powd., dms.	lb.	.22 -	—
Bichromate, bgs., c.l., works.	lb.	.10¾-	—
l.c.l., works	lb.	.10¾-	.11¼
Potash bichromate in bbls., ¼c. higher.			
Borate, gran., bbls., N. Y. or Chi.	lb.	.1015-	—
Bromide, USP, cryst., gran., 500-lb. bbls., dms.	lb.	.25 -	.29
Carbonate, calcined, bbls., c.l., works	lb.	.06½-	—
l.c.l., same basis	lb.	.06¾-	—
hydrated, 83-85%, bbls., c.l., works	lb.	.05½-	—
dms., l.c.l., same basis	lb.	.05¾-	—
USP, gran., bbls., dms.	lb.	.14 -	.20
powd., bbls., dms.	lb.	.19 -	.21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works	100 lbs.	9.21 -	—
l.c.l., works	100 lbs.	9.65½-	—
liquid, dms., c.l., works	100 lbs.	8.56 -	—
l.c.l., works	100 lbs.	8.63½-	—
tanks, works	100 lbs.	8.06 -	—
solid	100 lbs.	8.56 -	—
l.c.l., works	100 lbs.	8.93½-	—
regular, flake, 88-92%, dms., c.l., works	lb.	.07 -	—
l.c.l., works	lb.	.07¼-	.07½
liquid, 45% basis, dms., c.l., works, frt. alld.	lb.	.06¾-	—
l.c.l., same basis	lb.	.06¾-	.03¾
tanks, same basis	lb.	.02½-	—
solid, 88-92%, dms., c.l., works	lb.	.06¼-	—
l.c.l.	lb.	.06½-	.06¾
Chromate, bgs.	lb.	.24 -	.26
Potash chlorate, cryst., kgs., c.l., works	lb.	.11 -	.1176
l.c.l., works	lb.	.119 -	.130
powd., dms., kgs., c.l., works.	lb.	.0975-	—
l.c.l., works	lb.	.119 -	.130
export, 1 to 10 tons, kgs., ex whse.	lb.	.16 -	.18
Chloride, tech., cryst., 98%, bgs., kgs.	lb.	.08	Nom.
Citrate, USP, gran., bbls., drms.	lb.	.33½-	.38½
powd., 3c. per lb. higher.			
Cyanide, dms., works	lb.	.55 -	—
Fluoride, bbls.	lb.	.34 -	.40
Glycerophosphate, 75% solution, cbys.	lb.	2.30 -	—
Guaiacosulphonate, NF, dms.	lb.	1.65 -	1.75
Hydroxide, USP, sticks, dms.	lb.	.34 -	.36
Hypophosphite, cns.	lb.	.73 -	.76
Iodide, dms.	lb.	1.60 -	—
Manure salt, 22% K_2O, Carlsbad, N. M.	unit-ton.	.20 -	—
25% K_2O, same basis	unit-ton.	.21 -	—
Metabisulphite, gran., bbls.	lb.	.19 -	.21
powd., bbls.	lb.	.25 -	—
Muriate,[6] dom., 60-62-63% K_2O, bulk, ex vessel ports	unit-ton.	.53½-	—
granular, 50-52% K_2O, ex vessel U. S. ports	unit-ton.	.53½-	—
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M. are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.			
Nitrate (see Saltpeter).			
Oxalate, neutral, pure, gran., bbls., dms.	lb.	.37 -	.39
tech. fine gran., bbls., dms.	lb.	.28 -	.31
Perchlorate, kgs., works	lb.	.09¾-	.11


Spencer Kellogg and Sons, Inc.
ADMINISTRATIVE OFFICES AND RESEARCH LABORATORIES, BUFFALO, N. Y.
Buffalo 5, New York
October 2, 1946
DRISOY: A SOYBEAN OIL THAT DRIES

INFORMATION...*A factor in Profitable Production!*

PAINT and varnish manufacturers have had to be fast on their feet during the past few years to keep up with the need for frequent changes in materials and methods. The fortunes of war abroad and the fluctuation of controls at home have constantly presented new problems.

Accurate and up-to-date information is vital to prompt and correct decision, and in technical matters some advance knowledge of new materials is especially useful when a change of formulation and process has to be quickly made.

For example, Kellogg customers who were familiar with the Technical Service Department's bulletins on "Drisoy" had the opportunity to prepare months in advance for the time when linseed oil became scarce and soybean oil was released for industrial use.

Such helpful information and the personal assistance of the staff of this department is one of the most valuable services of this company. You are invited to make use of it.

SPENCER KELLOGG
AND SONS, INC. BUFFALO 5, N. Y.
The First Name in Vegetable Oils

Potash permanganate, tech., dms., works	lb.	.19½- .20¼
USP, dms., works	lb.	.30½- .31
Persulphate, dms., c.l. works, lb.		.16 - —
l.c.l., same basis	lb.	.20 - —
Prussiate, red, kgs.	lb.	.65 - .68
Yellow, bbls.	lb.	.19 - —
Ricinoleate, tech., bbls.	lb.	.18 - —
Silicate, glass, bgs., c.l. works, ton		200.00- —
l.c.l.	100 lbs.	15.25 - —
solution, 29° Be. ret. drums, c.l., works	100 lbs.	4.25 - —
l.c.l., 5 or more, works, 100 lbs.		5.00 - —
1-4, works	100 lbs.	5.50 - —
32° Be. ret. dms., c.l., works, 100 lbs.		4.75 - —
l.c.l., 5 or more, works, 100 lbs.		5.50 - —
1-4, works	100 lbs.	6.00 - —
40.5° Be, ret. dms., c.l. works	100 lbs.	5.75 - —
l.c.l., 5 or more, works, 100 lbs.		6.50 - —
1-4, works	100 lbs.	7.00 - —
Sulphate,[6] NF, gran.	lb.	.14 - .20
powd., bbls.	lb.	.15 - .21
tech., dom., bulk,[6] basis 90-95% K_2O_4, min. 90%, ex vessel Atlantic or Gulf ports	ton.	84.25 - —
West coast potash ports, same basis	ton.	89.25 - —
Sulphocyanide, cryst., N.F., dms.	lb.	.62 - .70
Triocyanate (see Potash sulphocyanide).		
Xanthate, dms., c.l.	lb.	.12 - —
Potash-gold cyanide, 41% gold, bots., works	oz.	14.20 -14.95
Potash-magnesia sulphate,[6] bulk, min., 40% K_2SO_4, 16.50% MgO, ex vessel, ports	ton.	36.00 - —
Potash-soda ferricyanide, kgs., works	lb.	.40 - .42
Potash-titanium oxalate, bbls., dms.	lb.	.45 - .50
Prickly ash bark, bls.	lb.	.40 - .45
Berries, bgs.	lb.	.20 - .21
Prince's pine herb, bls.	lb.	.50 - .65
Procaine hydrochloride, cns., 100-lb. lots	lb.	5.00 - —
Propane, industrial grade, tanks, Group 3	gal.	.03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E.	lb.	.15½- —
l.c.l., same basis	lb.	.16½- —
tanks, same basis	lb.	.14½- —
Psyllium seed (see Flaxseed).		
Pulsatilla, bls.	lb.	.60 - .65
Pumice, grd., fine, bgs., ton lots	lb.	.03¾- —
smaller lots	lb.	.03½- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots	lb.	.03¾- —
smaller lots	lb.	.03¾- .04¼
Chl., ton lots	lb.	.04½- —
Pumice in bbls. is ½c. per lb. higher.		
Pumpkin seed, bgs.	lb.	.27 - .28
Purple lake (see Red).		
Putty, com'l dms	100 lbs.	2.15 - —
linseed oil, raw, dms.	100 lbs.	5.00 - —
refined, dms.	100 lbs.	5.50 - —
standard, dms.	100 lbs.	4.20 - —
Pyrethrum, concentrate, dewaxed, 20% for aerosol bombs, dms., works	lb.	9.25 - 9.30
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works	gal.	6.65 - —
odorless base, dms., works, gal.		6.75 - —
(30 to 1), base 2 grams pyrethrins, per 100 cc., bbls., works	gal.	10.00 - —
Pyrethrum, dewers, fine-grd., 0.9% pyrethrins, bbls., works	lb.	.23¾- —
powder, 0.5% pyrethrins, bbls., works	lb.	.25 - —
Pyridin, denaturing, ret. dms., works, frt. equald	gal.	1.55 -1.60
refd., 2°, ret. dms., same basis.	lb.	.55 - .55½
Pyrites, Spanish, c.i.f. Atl. ports, long ton.		8.00 -10.00
Pyrocatechin (see Catechol).		
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines	ton.	10.00 -11.50
325 mesh, same basis	ton.	13.00 -15.00
No. 3, 200 mesh, c.l., mines	ton.	9.50 - —
325 mesh, same basis	ton.	11.50 - —
Pyrophylite in paper bags, $1.50 per ton extra.		
Pyroxylin, scrap, opaque, amber, cs., works	lb.	.17 - —
black, cs., works	lb.	.17 - —
gray, cs., works	lb.	.17 - —
mixed mottled, cs., wks.	lb.	.14 - —
white, China, ivory, cs., wks.	lb.	.17 - —
dense, cs., works	lb.	.17 - —
translucent, pastels, cs., works	lb.	.17 - —
transparent, cs., works	lb.	.19 - —
colors, cs., works	lb.	.17 - —
shavings, amber, cs., works, lb.		.17 - —
mixed colors, cs., works	lb.	.14 - —
white, cs., works	lb.	.17 - —

Q

Quassia chips, bls.	lb.	.08 - .09
Quebracho extract, solid, 62% tannin, bgs., c.l., ex dock, in bond	lb.	.063125- .06525
clarified, 64% tannin, bgs., c.l., same basis	lb.	.068125- .070625
Quebracho extract, clarified, dissolved, 35% tannin, bbls., works	lb.	.04575- .0505
tanks, works	lb.	.04075- —
ground, 70% tannin, bgs., c.l., lb.		.080 - —
l.c.l.	lb.	.0915- —
Quebracho extract prices based on freight and $1 insurance per long ton.		
Queen of the meadow root, bgs.	lb.	.12 - .15
Quercitron crystals, bbls.	lb.	.82 - —
Extract, No. 1, bbls.	lb.	.12 - —
solid, bxs.	lb.	.23 - —
Quicksilver, flasks (76 lbs. net)	flask	88.00 -90.00
Quince seed, bgs.	lb.	1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.	oz.	No stocks
powd., precip., cns.	oz.	No stocks
Sulphate, USP, cns.	oz.	No stocks
Quinine,[6] NF, cns., 100 ozs.	oz.	No stocks
Acetate, cns., 100 ozs.	oz.	No stocks
Arsenate, cns., 100 ozs.	oz.	No stocks
Arsenite, cns., 100 ozs.	oz.	No stocks
Bisulphate, USP, cns., 100 ozs.	oz.	No stocks
Dihydrobromide, bots., 50 ozs.,	oz.	No stocks
Citrate, cns., 100 ozs.	oz.	No stocks
Ethylcarbonate, USP, cns., 100 ozs.	oz.	No stocks
Ferrocyanide, cns., 100 ozs.	oz.	No stocks
Formate, cns., 100 ozs.	oz.	No stocks
Glycerophosphate, cns., 100 ozs.	oz.	No stocks
Hydrochloride, USP, cns., 100 ozs.	oz.	.89½- —
Hydrochlorosulphate, cns., 100 ozs.	oz.	No stocks
Hydroiodide, cns., 100 ozs.	oz.	No stocks
Hypophosphite, cns., 100 ozs.	oz.	No stocks
Phosphate, NF, cns., 100 ozs.	oz.	No stocks
Salicylate, NF, cns., 100 ozs.	oz.	No stocks
Sulphate, USP, cns., 100 ozs.	oz.	.89½- —
Sulphocarbolate, cns., 100 ozs.	oz.	No stocks
Tannate, USP X, cns., 100 ozs.	oz.	No stocks
Tartrate, cns., 100 ozs.	oz.	No stocks
Valerate, NF IV, 100 ozs.	oz.	No stocks
Quinine-urea hydrochloride,[6] USP, cns.	oz.	No stocks
Quinoline, dms., c.l., works	lb.	.32 - .50

R

R salt, dry, bbls.	lb.	.65 - —
paste, dms.	lb.	.52 - —
Raspberries, dried, bls.	lb.	2.20 - 2.25
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	1.10 - 1.90

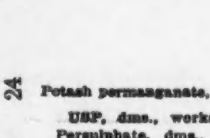
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies	lb.	1.05 - 1.30
light shade, bbls., same basis	lb.	.90 - 1.15
maroon, bbls., same basis.	lb.	1.15 - 1.35
medium shade, bbls., same basis	lb.	1.00 - 1.10
medium-light shade, bbls., same basis	lb.	.95 - 1.05
Orange-red, bbls., same basis	lb.	.95 - 1.00

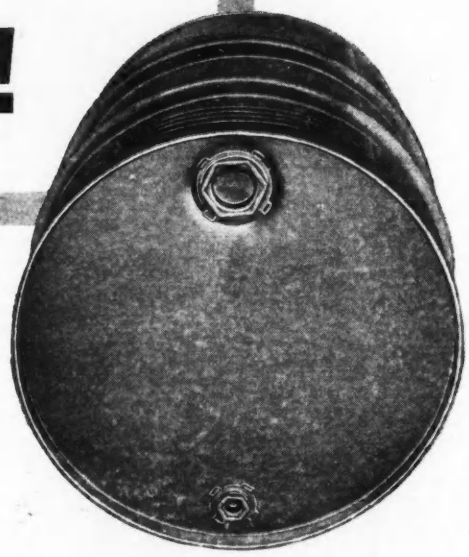
Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.

Carmine, No. 40, dms., bulk, works	lb.	5.50 - —
smaller lots, same basis	lb.	6.10 - —
Crocus martis (see Red, purple, oxide).		
Dyes (see Dyes, coaltar).		
Eosin toner, bbls., works	lb.	1.35 - —
Firetoner, dom., bbls., works	lb.	.88 - .93
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y.	lb.	.09 - .09½
80-85%, bgs., same basis	lb.	.07½- .07¾
imp., English, all shades	lb.	.12 - —
Iron oxide, pure, bbls.	lb.	.09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., and E. St. Louis	lb.	.09¾- —
80% copperas oxide, bbls., same basis	lb.	.085 - .094
Lacquer, maroon, bbls., works, lb.		1.25 - —
Lake C toner, alizarin, bbls., works	lb.	.90 - .97
Lithol toner, alizarin, lake, bbls., works	lb.	.85 - —
Pink, bbls., works	lb.	.20 - .25
Rose lake, bbls., works	lb.	.25 - .28
Lithol-rubin toner, alizarin lake, bbls., works	lb.	1.18 - —
Maroon, alizarin lake, 25%, kgs., works	lb.	.40 - —
Cadmium, bbls., works	lb.	1.10 - —
deep, bbls., same basis	lb.	1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.		
Mercury oxide, tech., bbls., 10,000 lbs., works	lb.	2.60 - —
smaller lots, works	lb.	2.65 - —
Metallic, bbls., works	lb.	.62 - —
Oxide (see Red, iron oxide).		
Para toner, chlorinated, kgs.	lb.	.92 - —
concent., alizarin lake, kgs., works	lb.	.70 - .75
Persian (see Orange).		
Phloxin toner (see Red, eosin toner).		
Phosphotungstic, rhodamine, Y, kgs., works	lb.	4.15 - —
Purple lake, kgs.	lb.	1.00 - —
Scarlet ink toner, kgs., works, lb.		.55 Nom.
Spanish oxide, grade 1, c.l., bbls.	lb.	.06¾- .07¼
Toluidin toner, alizarin lake, kgs., works	lb.	1.05 - 1.12
MNPT maroon toner, kgs., works	lb.	2.25 - —
Turkey, bbls., works	lb.	.14½- —
Tuscan, bbls., E. St. L.	lb.	.11 - —
Venetian, 15%, bgs., works	lb.	.02¾- —
20%, bgs., works	lb.	.03 - —
25%, bgs., works	lb.	.03¼- —
30%, bgs., works	lb.	.03½- —
35%, bgs., works	lb.	.03¾- —
40%, bgs., works	lb.	.04 - —
Vermillion, Amer., bbls.	lb.	.23¾- .40
Quicksilver, bbls.	lb.	2.60 - 2.65
Red precipitate, NF, powd., fls. dms.	lb.	2.17 - 2.19
Red saunders wood, grd., bbls.	lb.	.25 - —
Resorcinol, tech., dms., works	lb.	.64 - .74
USP, cryst., dms., frt. alld.	lb.	1.60 - —

You can't beat this drum!



When drums and their closures combine to guard liquid loads against leakage, tampering and contamination, look to the closures to take a large responsibility. Drums must have *reliable* closures that are much more than corks and they must be locked and labeled . . . You can't beat a drum that was made by a reputable drum manufacturer who uses closures that were engineered to become integral parts of the drum metal itself.



We all agree that "drums cannot be tighter than their closures."

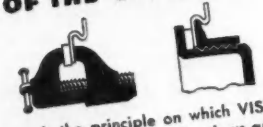
VISEGRIP Closures, imbedded in the drum metal and sealing directly on that metal, are the tightest and strongest parts of their drums.

Drums with VISEGRIP Closures are locked and labeled with VISEGRIP Cap Seals . . . VISEGRIP Cap Seals guard against undetected tampering — they *cannot* be removed without destroying them . . . VISEGRIP Cap Seals are lithographed attractively with advertising or identifications.

Research, engineering and precision manufacturing combine to produce VISEGRIP Closures and Cap Seals with effective features that have the high regard of drum users and manufacturers.

A copy of "VISEGRIP Drum Closures," our full sized catalogue, is available upon request. It is conveniently arranged for reference and filing.

MECHANICS OF THE VISEGRIP



The vise is the principle on which VISEGRIP Closures are founded. The vise jaws grip the metal . . . turn the screw tighter and clamp the metal tighter. The metal is always clamped —not one jaw against the other. This is a superior single seal. Multiple seals are presented as two or three leakage safeguards, one backing up the others. Actually, there is no basis for such claims.

VISEGRIP CLOSURES *developed and produced by*

RIEKE METAL PRODUCTS CORPORATION

AUBURN, INDIANA NEW YORK, N. Y.

Rhatany root, bgs.....lb. .14 - .16
Rhubarb, whole, cs.....lb. 1.40 - 1.45
powd., bbls.....lb. 1.45 - 1.50
Riboflavin, bots.....kile.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs., 1 ship't..lb. .34½- —
smaller lots.....lb. .35 - —
Rose flowers, pale, bls.....lb. .33 - .34
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, French, bls.....lb. .13 - .14
Portuguese, bls.....lb. .08½- .09
Spanish, bls.....lb. .12½- .13
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B (resin) dms., c.l., works..100 lbs. 5.00 - —
FF, dms., c.l., works.100 lbs. 6.00 - —
G, H, I, dms., c.l., works, 100 lbs. 7.50 - 8.25
K, dms., c.l., works..100 lbs. 7.50 - 8.25
M, dms., c.l., works..100 lbs. 7.55 - 8.30
N, dms., c.l., works..100 lbs. 7.60 - 8.35
WG, dms., c.l., works.100 lbs. 7.65 - 8.40
WW, X, dms., c.l., works.... 100 lbs. 7.70 - 8.20
Rotenone, bbls., works.....lb.12.05 -14.50
extract, liq., dms., works..... per unit. 1.15 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.. ton.25.50 - —
l.c.l., mines.....ton.37.50 - —
Rue, bls.....lb. .45 - .46

S

Sabadilla seed, powd., bbls....lb. .56 - .76
activated, ground with lime, bbls..lb. .35 - .50
Saccharin, insoluble and soluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.60 - 1.65
Spanish, USP, tins.....lb.38.00 -39.00
Safrol, cns.....lb. 1.10 - 1.15
Sage, Cyprus, good, bls.....lb. .24½- .25
futures.....lb. .19 - .19½
Dalmatian, bls., futures.....lb. .37 - .38
Greek, bls.....lb. .29 - .29½
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .15 - .15½
Syrian, bls.....lb. .26½- .26
Sago flour, bgs.....lb. .12 - .13
Salicin, bots., 5 lbs.....lb. No stocks.
cns., 25 lbs.....lb. No stocks.
Saligenin, dms., works.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .96
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.15.50 - —
l.c.l., bgs.....ton.20.00 - —
vacuum, common, fine, bgs., c.l..ton.16.90 - —
l.c.l.....ton.28.40 - —
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 9.00
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 2.75 - —
Santonin, cryst., powd., gms.kilo.170.00 -185.00
Saponin, No 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .45 - .50
Honduras, bls.....lb. .45 - .47
Mexican, bls.....lb. .45 - .47
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls.....lb. .69 - .75
Savory, Spanish, bls.....lb. .21 - .21½
Saw palmetto berries, bgs....lb. .24 - .25
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .10 - .12½
Schaeffer's salt, bgs.....lb. .60 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30½- —
smaller lots.....lb. .31½- —
kegs, 5,000 lbs., 1 shipm't..lb. .31½- —
smaller lots.....lb. .31¾- —
Selenium, pwd., cns., 10-lb. lots.. lb. 1.85 - —
cs., 1,000-lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.65 - 2.75
Senna leaf, Alex., half-leaf, bls. lb. .27 - .28
siftings, bgs.....lb. .24 - .25
Tinnevelly, No. 1, bls.....lb. .24 - .29
2, bls.....lb. .22 - .27
3, bls.....lb. .20 - .24
powd., bbls., bgs.....lb. .24 - .29
Pods, bls.....lb. .14 - .21
Serpentaria root, bls.....lb. 2.75 - 2.80
Shellac, bleached, bonedry, bbls., 1,500-lb. lots..lb. .71 - —
Boston.....lb. .72 - —
Chicago.....lb. .72½- —
Pacific coast.....lb. .74½- —
refined, bbls., 1,500-lb. lot. lb. .73½- —
Boston.....lb. .79½- —
Chicago.....lb. .80 - —
Pacific coast.....lb. .82 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to prices: (1) packed in bgs., ½c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.
Superfine, 100 bgs., Boston, N.Y. lb. .72 - .73
Chicago.....lb. .72½- .73
Pacific coast.....lb. .75 - .76
TN, 100 bgs., Boston, N. Y..lb. .67 - .68
Chicago.....lb. .67½- .69½
Pacific coast.....lb .70 - .71
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works. ton.17.00 - —
l.c.l. works.....ton.20.00 - —
400 mesh, bgs., c.l., works. ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.21.00 - —
400 mesh, bgs., c.l., works. ton.20.00 - —
l.c.l., works.....ton.25.00 -28.00
99%-99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
Hard-quartz, 99¼%, 325 mesh, bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.18.00 - —
140 mesh, bgs., c.l., works.. ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- .27
Silver bullion.....oz. .97 -
Cyanide, cns., 100 ozs.....oz. .7488- —
Nitrate, bots., cns., 2,500-oz. lots..oz. .58½- —
1,000-oz. lots.....oz. .58¾- —
500-oz. lots.....oz. .59¼- —
single ounces.....oz. .59 - —
Neucleinate, USP, bots., dms., 1,000-oz. lots..oz. .300 - —
Proteinate, USP, bots., dms., 1,000-oz. lots..oz. .325 - —
Simarubra bark, bls.....lb. .87 - .88
Skullcap, Eastern, bls.....lb. .85 - .90
Western, bls.....lb. .50 - .55
Skunk cabbage root, bls.....lb. .45 - .50
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -16.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .06½
Snakeroot, Canada, bls.....lb. .65 - .70
Soapbark, bls.....lb. .27 - .28
crushed, bls., bbls.....lb. .22 - .23
cut, dom., bls., bbls.....lb. .22 - .23
imp., bbls.....lb. No stocks
powd., bbls.....lb. .30 - .31
Soda acetate, anhyd., dms., dlvd. lb. .09½- .10
cryst., NF, bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd.....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Alkylbenzene sulphate, dms., works..lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l.....100 lbs. 7.80 - 8.00
Antimoniate, bbls., dlvd.....lb. .16 - .16½
Soda arsenate, dms., works...lb. No prices
Arsenite, grey, dms., dealers, c.l., works..lb. .09¾- —
l.c.l., works.....lb. .10½- .11½
Soda arsenite, gray ¼c. higher in Chi., 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l..... 100 lbs. 1.28 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.63 - —
2.....100 lbs. 2.78 - —
3.....100 lbs. 3.13 - —
4.....100 lbs. 3.78 - —
bbls., c.l., works, zone. 100 lbs. 1.65 - —
l.c.l., zone 1.....100 lbs. 3.03 - —
2.....100 lbs. 3.18 - —
3.....100 lbs. 3.53 - —
4.....100 lbs. 4.13 - —
bulk, c.l., works...100 lbs. 1.08 - —
extra light, 58%, bgs., c.l., 100 lbs. — - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.65 - —
2.....100 lbs. 2.80 - —
3.....100 lbs. 3.15 - —
4.....100 lbs. 3.75 - —
bbls., c.l., works...100 lbs. — - —
l.c.l., dlvd., zone 1..... 100 lbs. — - —
2.....100 lbs. — - —
3.....100 lbs. — - —
4.....100 lbs. — - —
bulk, c.l., works...100 lbs. — - —
light, 58%, bgs., c.l., works.. 100 lbs. 1.20 - —
l.c.l., dlvd., Zone 1..... 100 lbs. 2.55 - —
2.....100 lbs. 2.70 - —
3.....100 lbs. 3.05 - —
4.....100 lbs. 3.65 - —
bbls., c.l., works..100 lbs. 1.60 - —
Soda ash, light, 58%, bbls., l.c.l., dlvd., zone 1..100 lbs. 2.95 - —
2.....100 lbs. 3.10 - —
3.....100 lbs. 3.45 - —
4.....100 lbs. 4.05 - —
bulk, c.l.....100 lbs. 1.00 - —
Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.
Soda ash sales zones are: (1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .60
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l.....100 lbs. 2.57½- 2.80
Bichromate, bgs., c.l., works.. lb. .06¼- —
l.c.l., works.....lb. .06¾- .06¾
Soda bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11¾- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12¾- .14

TEC TRIETHYL PHOSPHATE $(C_2H_5O)_3PO$

A valuable constituent of solvents for paint and lacquer formulations, paint and varnish removers, nail-polish removers, and perfumes

TABLE OF SPECIFICATIONS

Specific Gravity — 20/4 — 1.065 to 1.070

Chlorides — not more than 5 ppm

Sulpbates — none

Acidity — not more than 3 cc N/100 NaOH per 5 cc sample

Per Cent Ester — not less than 97

TEC Triethyl Phosphate is very soluble in most common organic solvents and is completely miscible with water at room temperature. Hydrolysis does not occur except at elevated temperatures and is then quite slow. It is an excellent solvent for many polymeric and high molecular-weight materials. Therefore, it is indicated for use as a constituent of solvents for paint and lacquer formulations, paint and varnish removers, nail-polish removers, and perfumes. Write for free sample.

Now Available In Pilot Plant Quantities

TENNESSEE EASTMAN CORPORATION

(Subsidiary of Eastman Kodak Company)

KINGSPORT, TENNESSEE

Soda bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
Bisulphite, solut., 32°, bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35° bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
dms., works.....lb. .25 - .29
Cacodylate, bots., dms.....lb. 8.00 -10.50
Carbonate (see Soda ash, Soda monohydrate, Soda sal).
Caustic, flake, powd., 76% dms., c.l., works..100 lbs. 2.90 - 3.00
l.c.l., zone 1, divd..100 lbs. 4.25 - —
2, divd.....100 lbs. 4.40 - —
3, divd.....100 lbs. 4.75 - —
4, divd.....100 lbs. 5.35 - —
liquid, 50%, buyer's tanks, works, dry basis..100 lbs. 2.00 - —
sellers, tanks, works, dry basis..100 lbs. 2.10 - —
70%, seller's tanks, works, dry basis..100 lbs. 2.10 - —
solid, 76%, dms., c.l., works.. 100 lbs. 2.50 - 2.75
l.c.l., zone 1, divd..100 lbs. 3.85 - —
2, divd..... 100 lbs. 4.00 - —
3, divd.....100 lbs. 4.35 - —
4, divd.....100 lbs. 4.95 - —

Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.

Caustic soda zones are same as soda ash.

Soda chlorate, cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chloride (see Salt).
Chromate, bgs., c.l., works, frt. equald..lb. .09½- —
l.c.l., works, frt. equald..lb. .09¾- .10
Soda chromate in bbls., ¼c. higher.
Citrate, USP VIII, bbls.....lb. .18½- —
dms.....lb. .19½- .23½
USP XII, gran., bbls.....lb. .24 - —
dms.....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms.....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., divd..lb. .09½- .10½
anhydrous, dms., divd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works..lb. .0635- —
l.c.l., works .....lb. .0680- —
Glutamate, monobasic, kgs..lb. 1.48 - 1.48
Glycerophosphate, N.F., cryst., bbls..lb. 1.90 - —
powder, bbls.....lb. 1.95 - —
solution, 75%, cbys.....lb. 1.10 - —
50%, cbys.....lb. .85 - —
Hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .18 - —
Hydroxide, USP, sticks, dms.lb. .24 - .30
Hypophosphite, NF, cns.....lb. .67 - .70

Soda hyposulphite, cryst., bgs., c.l., works, frt. equald. 100 lbs. 2.25 - —
l.c.l., same basis.100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works.. 100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls. .....lb. .10 - .12
Iodide, dms., jars.....lb. 2.72 - —
Mandelate, dms. .....lb. 3.25 - 3.35
Metaborate, gran., bbls., c.l., divd..lb. .0485- —
l.c.l., N. Y. or Chi....lb. .061 - —
bgs., c.l., divd.....lb. .0425- —
l.c.l., N. Y. or Chi....lb. .044 - —
Metanilate, bgs. .....lb. .43 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.100 lbs. 4.00 - —
l.c.l., same basis..100 lbs. 5.10 - 5.50
gran., bbls., c.l., works, frt. equald..100 lbs. 3.40 - —
l.c.l., divd. .....100 lbs. 4.40 - 4.55
Methylate, bots., works....lb. 1.00 - —
cns., Works .....lb. .55 - .60
dms., works .....lb. .45 - .50
Molybdate, anhyd., kgs., works. lb. .47 - —
crystals, bgs., works.....lb. .60 - —
Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls. .....lb. .44 - —
Nitrate, dom., crude, 100-lb. bgs., c.l., works..ton.30.00 - —
bulk, c.l., works.....ton.27.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.33.50 - —
bulk, same basis.....ton.25.50 - —

Soda nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
West coast, ports.100 lbs. 3.00 - 3.05
l.c.l., divd. .....100 lbs. 3.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.30 - —
l.c.l., same basis..100 lbs. 5.45 - 5.60
flake, dms., c.l., works.100 lbs. 3.10 - —
l.c.l., divd. .....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald. lb. .19 - —
Perborate, NF, bbls., c.l., works. lb. .14¾- —
l.c.l., works .....lb. .15½- —
Peroxide, dms., c.l., divd. E. of Miss..lb. .14 - —
smaller lots .....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works. 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP XII, dried, bbls., dms., works..lb. .159 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.65 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.100 lbs. 6.00 - 6.25
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., same basis.100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works....100 lbs. 3.80 - —

USP (see Sodium phosphate, dibasic). Soda phosphate in bbls. 20c. higher.

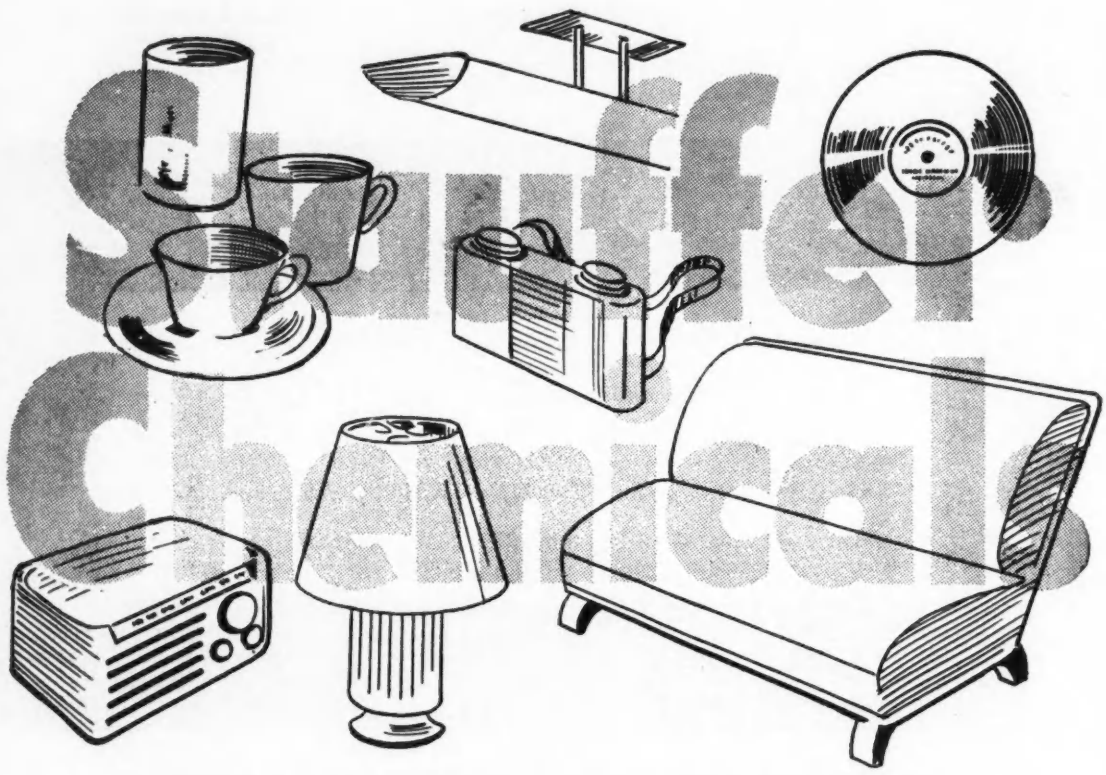
Prussiate, yellow, bgs.....lb. .12 - —
bbls. .....lb. .12¼- —
Pyrophosphate, ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .22½- —
tetrabasic, anhydrous, bgs., c.l., works, frt. equald. 100 lbs. 5.25 - —
Ricinoleate, tech., bbls.....lb. No stocks
Sal, bgs., c.l.....100 lbs. 1.35 - —
works, c.l. .....100 lbs. 1.10 - —
bbls., c.l. .....100 lbs. 1.40 - —
works, c.l. .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .54
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, divd..100 lbs. 2.70 - —
2, divd.....100 lbs. 2.85 - —
3, divd.....100 lbs. 3.10 - —
4, divd.....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.

Sesquisilicate, dms., c.l., works. 100 lbs. 3.90 - —
l.c.l., divd. .....100 lbs. 5.15 - 5.80
Silicate, 40°, turbid, dms., c.l., works..100 lbs. .80 - 1.00
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works .....ton.12.00 -16.00
52°, turbid, dms., c.l., works, 100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works. lb. .06½- .07
l.c.l., works.....lb. .07 - .07½
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07¼
tech., anhyd., bgs., c.l., works. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., divd.....100 lbs. 3.15 - —
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., divd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works... 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .32
powd., bbls.....lb. .30 - .32
Sulphocyanide, CP, dms.....lb. .55 - .65
Sulphohydrate, liquid, 29%, dms., c.l., works, 100% basis. lb. .66 - —
l.c.l., same basis.....lb. .68 - —
Sulphohydrate, flake, 70-72%, dms., c.l...lb. .64½- —
l.c.l., works.....lb. .66 - —
liquid, 38%, tanks, basis 100%, works..lb. .66½- —
l.c.l., works.....lb. .68 - —
Sulphoxylate, formaldehyde, dms., c.l., works, frt. alld..lb. .17½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiocyanate (see Soda, sulphocyanide).
Thiosulphate (see Soda hyposulphite).
Tungstate,* tech., bgs.....lb. 1.35 - —
Soda-ammonia phosphate, bbls., works, frt. equald..lb. .23 - —
Soda-cinchophen, bots., dms., works..lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont., 125-250 lbs..lb. .19 - .20
Soda-sulphadiazin, USP, dms., works..lb.10.50 -10.60
Soda-sulphamerazin, dms., works. lb.10.50 -10.60
Soda-sulphapyridin, powd., bots., dms., works..lb. 5.00 - 5.20
Soda-sulphathiazole, USP, dms., works..lb. 2.50 - 2.60
Solvent naphtha, dms., wks..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
Minnequa, Colo.....gal. .26 - —
high-flash, coaltar, dms., works .gal. .30 - —
tanks, frt. alld. E. of Omaha to 3c. per gal.. gal. .25 - —
Sorbitol, comʼl, dms., c.l., works. lb. .23½- —
l.c.l., works.....lb. .24 - .33
Soybean meal,† 41%, bulk, c.l., Decatur..ton.75.00 -80.00
Protein, alpha, bgs., 40,000 lbs., works..lb. .28 - —
20,000 lbs., works.....lb. .29¼- —
smaller lots, works....lb. .28½- .32
*parteinne sulphate, bots., cns.ea. 2.95 - 3.25
*spearmint leaves, bls.....lb. .48 - .49
*spikenard root, bls.....lb. .50 - .55
*spruce extract, liq., reg., tanks, works..lb. .01¾- —
pwd., super, bgs., c.l., wks.lb. .05¼- —
Squaw vine, bls.....lb. .58 - .65

Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.

Caustic soda zones are same as soda ash.



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Sulphur
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Squill, red, fortified, powd., bbls., bxs.	lb.	1.60	—
White, bls.	lb.	.10	.12
powd., bbls., bxs.	lb.	.16	.20
St. Ignatius beans, bgs.	lb.	No stocks	
St. John's bread, edible, bls.	lb.	.10¾	.11½
Starch, corn, pearl, bgs., c.l., 100 lbs.		4.02	—
l.c.l.	100 lbs.	4.17	—
Chicago, c.l.	100 lbs.	3.62	—
powd., bgs., c.l.	100 lbs.	4.13	—
l.c.l.	100 lbs.	4.28	—
Chicago, c.l.	100 lbs.	3.73	—
Cornstarch prices above are for paper bags; cotton bags are 20c. higher.			
Potato, bgs., c.l.	lb.	.0735	.0760
l.c.l.	lb.	.0810	.0825
Rice, bgs., c.l.	lb.	No stocks	
Sweetpotato, bgs.	lb.	No stocks	
Wheat, bgs.	lb.	.06½	.06¾
Staves acre seed, bgs.	lb.	.60	.61
Stearin, oleo (see Oleostearin).			
Stillingia root, bls.	lb.	.45	.50
Stoneroot, bls.	lb.	.07½	.08
Storax, cs.	lb.	1.00	1.10
Stramonium leaves, bgs.	lb.	.20	.25
Seed, bgs.	lb.	.20	.21
Streptomycin, hospitals	gram.	4.80	—
wholesalers	gram.	3.84	—
Strontium bromide, NF, cns., dms.	lb.	.53	.55
Carbonate, 90%, bbls.	lb.	.14	.16
98%, bbls.	lb.	.23	.25
Chloride, tech., bbls.	lb.	.22	.24
mesh 90%, bbls., works.	ton.	58.00	—
Chromate, bbls., kgs., Phila.	lb.	.40	.42
Iodide, jars, 25 lbs.	lb.	3.20	—
Lactate, dms.	lb.	1.30	1.35
Nitrate, bbls., c.l., works.	lb.	.07¾	—
l.c.l., works.	lb.	.08¼	.08¾
Oxalate, bbls., works.	lb.	.38	.40
Salicylate, NF, dms.	lb.	1.10	1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works.	ton.	58.00	—
Strontium-calcium sulphide, phosphorescent, dms., works.	lb.	2.50	2.85
Strophanthin, bots.	oz.	30.00	50.00
Strophanthus seed, Kombe, bgs.	lb.	2.25	2.30
Strychnine, NF, powd., cns., 100 ozs.	oz.	1.25	—
Sulphate, USP, powd., cns., 100 ozs.	oz.	1.00	—
Styrolyl acetate, bots.	lb.	2.50	2.10
Sucrose octa-acetate, denat., bbls., l.c.l., works.	lb	.45	—
tech., bbls., l.c.l., works.	lb.	.40	—
Sugar coloring (see Caramel coloring).			
Sugar of milk (see Milk sugar).			
Sulphadiazine, ULP, dms., works.	lb.	9.00	9.10
Sulphaguanidin, dms., works.	lb.	4.50	4.60
Sulphamerazin, dms., works.	lb.	9.00	9.10
Sulphanilamide, USP, powd., bots., works.	lb.	1.05	1.10
Sulphanilamide, 30-60 mesh, 10c. higher			
Sulphapyridin, powd., bots., tins, works.	lb.	5.00	5.30
Sulphathiazole, USP, powd., dms., works.	lb.	2.50	2.60
Sulphonethylmethane, kgs.	lb.	6.75	6.85
Sulphonmethane, kgs.	lb.	5.25	5.35
Sulphur, crude, c.l., bulk, mines, contract.	long ton.	16.00	—
vessels, Gulf ports, contract.	long ton.	20.00	—
flour, comm'l, 99½%, bgs., c.l., works.	100 lbs.	1.80	—
l.c.l., works.	100 lbs.	2.15	—
precipitated, USP, bbls., kgs.	lb.	.18	.36
refined, flour, extra fine, bgs., c.l., works.	100 lbs.	3.15	—
l.c.l., works.	100 lbs.	3.50	3.90
heavy, bgs., c.l., works.	100 lbs.	2.85	—
l.c.l., works.	100 lbs.	3.20	3.60
light, bgs., c.l., works.	100 lbs.	2.98	—
l.c.l., works.	100 lbs.	3.30	3.60
flowers, USP, bgs., c.l., works.	100 lbs.	3.30	—
l.c.l., works.	100 lbs.	3.65	—
Refined sulphur flowers in bbls., 35c. higher.			
rock, bbls., c.l., works.	100 lbs.	2.45	—
l.c.l., works.	100 lbs.	2.80	—
roll, bbls., c.l., works.	100 lbs.	2.65	—
l.c.l., works.	100 lbs.	3.00	3.40
rubbermakers', bgs., c.l., wks.	100 lbs.	2.15	2.60
Chloride, 25-gal. dms., c.l., works.	lb.	.03	.03½
l.c.l., works.	lb.	.04	.04½
10-gal. dms., c.l., works.	lb.	.07	.07½
l.c.l.	lb.	.08	.08½
Dioxide, liquid, com'l, cyls., c.l., works.	lb.	.07	—
l.c.l.	lb.	.08	—
multi-unit cars, works	lb.	.06	—
tanks, works	lb.	.04	—
refrigeration, cyls., l.c.l., works.	lb.	.13	.16
Iodide, bots., jars	lb.	3.90	4.11
Sumac extract, No. 1, bbls.	lb.	.10½	—
No. 2, bbls.	lb.	.09	—
crystals, bbls.	lb	.40	—
stainless, bbls.	lb.	11	.13¼
Superphosphate, pulverized, run-of-pile under 22% a.p.a. bulk, production points, Balto.	unit-ton.	.70	—
Florida	unit-ton.	.56	.59
others	unit-ton.	.57	.89
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 83½c., per unit-ton plus frt. charges from Anaconda, Mont., in excess of $3.03 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.			
triple, 45% or more, a.p.a., bulk, producing points, Florida	unit-ton.	.68	—
South Carolina	unit-ton.	.75	—
Tennessee	unit-ton.	.80	—
Other States and D.C., 62c. per unit-ton plus frt. charge for 45% from E. Tampa, Fla.			
Superphosphate, gran., 2c. per unit-ton higher than pulverized.			
Sweet basil, bls.	lb.	.90	1.00

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Talc, dom., ordinary, grd., bgs., c.l., works.	ton.	14.50	24.50
l.c.l., works.	ton.	16.50	30.00
Calif., bgs., c.l., wks.	ton.	22.00	30.00
Pennsylvania, bgs., c.l., works.	ton.	11.00	12.50
l.c.l., works.	ton.	12.00	14.50
Vermont, bgs., c.l., works.	ton.	14.00	—
l.c.l., works.	ton.	17.50	—
fibrous, grd., off-color, New York, bgs., c.l., works.	ton.	15.50	—
325 mesh, 93-94%, bgs., c.l., works.	ton.	17.50	—
98 - 99.5%, bgs., c.l., works.	ton.	No prices.	
99.55-99.95% bgs., c.l., works.	ton.	No prices.	
Imp., Canada, brs., c.l.	ton.	35.00	44.50
Tallow, inedible, extra, loose.	lb.	.21¾	—
special, loose	lb.	.21½	—
sulphonated 50% (42% fat), dms., c.l.	lb.	No prices	
(70% fat), dms., c.l.	lb.	No prices	
Tallow, sulphonated, l.c.l., ½c. higher.			
Tamarind, bbls.	lb.	.12¾	.13¾
Tankage, animal, feed grade, 9-11% ammon., bulk, unit-ton.		9.00	—
Chicago	unit-ton.	8.50	—
fert. grade, 9% ammon., 10% b.p.l., bulk.	unit-ton.	No stocks	
10-11% ammon., 15% b.p.l., bulk, Chicago.	unit-ton.	No stocks	
Tapioca flour, bgs.	lb.	.07¾	.11¾
Java, bgs.	lb.	No stocks	
Tar acid oil, 15-18%, dms., c.l., works.	gal.	.35	—
l.c.l., works.	gal.	.38	—
25%, dms., c.l., works.	gal.	.41	—
l.c.l., works.	gal.	.44	—
Tar, pine (see Pinetar).			
Tara pods, c.l., ex dock U. S. ports.	long ton.	No prices	
powd., c.l., same basis.	long ton.	No prices	
Tarragon herb, bgs.	lb.	.60	.65
Leaves, bgs.	lb.	1.20	1.25
Tartar emetic, tech., gran. or powd., bbls., kgs.	lb.	.44	—
dms.	lb.	.44½	.47
Tartar emetic, USP, powd., bbls., dms., kgs.	lb.	.49	.53
Terpin hydrate, com'l, bbls., c.l.,	lb	.24½	—
	lb.	.25	.25½
USP, cryst., bbls., dms.	lb.	.70	.75
powd., bbls., dms.	lb.	.75	.80
Terpineol, Alpha (see A).			
com'l, dms., c.l., South.	lb.	.13½	—
l.c.l., South.	lb.	.14	—
tanks, South.	lb.	.13	—
pure, dms.	lb.	.34	.50
extra, dms.	lb.	.42	.68
Terpinglycol ether, dms. (extra), c.l., works.	lb.	.19¼	—
l.c.l., works.	lb.	.20	—
tanks, works.	lb.	.19	—
Terpinyl acetate, extra, cns., dms.	lb.	.89	.97
prime, cns., dms.	lb.	.62	.70
Terra alba (see Gypsum).			
Tetrachloroethane, dms., works.	lb.	.08	.08¼
Tetrachloroethylene, NF VI, 55-gal. dms., works.	lb.	.20	.21¼
smaller dms., works.	lb.	.23½	.25¼
tech. (see Perchloroethylene).			
Tetraethyl orthosilicate, dms., works.	lb.	.65	—
Tetralin, dms.	lb.	.19	—
Tetrasodium pyrophosphate (see Soda pyrophosphate).			
Thallium sulphate, 90%, bots., works.	lb.	17.50	—
Theobromine, dms., 25-lb. lots.	lb.	3.75	—
smaller lots	lb.	3.95	4.10
Thiamine hydrochloride, dms., 100 grams or more.	kilo.	166.00	—
Thiocarbanilide, dms.	lb.	.24	—
Thiouracil, dms., works.	lb.	5.50	5.60
Thiourea, CP, dms.	lb.	.56	.56
Thorium nitrate, cs., works.	lb.	2.00	—
Thyme, French, bgs.	lb.	.16½	.17
futures, bgs.	lb.	.15½	.16
Spanish, bls.	lb.	.11¾	.12
Thymol, cns.	lb.	No prices	
Iodide, dms.	lb.	4.25	—
Timbo root (see Cube root).			
Tin chloride,[6] anhydrous.	lb.	No stocks.	
crystals,[6] bgs., bbls.	lb.	No stocks.	
Metal,[6]	lb.	.70	—
Bolivian	lb.	.63½	—
Straits	lb.	No stocks.	
Oxide,[6] bbls.	lb.	.54	.55
Tetrachloride,[6] anhyd., dms., works.	lb.	.31	.33
Titanium dioxide,[4] chalk resistant, bgs., c.l., dlvd.	lb.	.15½	—
l.c.l., dlvd.	lb.	.15¾	—
nonchalking,[4] bgs., c.l., dlvd. E.	lb.	.17½	—
l.c.l., dlvd.	lb.	.17¾	—
plain, bgs., c.l., dlvd.	lb.	.15½	—
l.c.l., dlvd.	lb.	.15¾	—
Hydride, cns., works.	lb.	7.00	8.00
Pigment, barium base,[4] bgs., c.l., dlvd.	lb.	.06¼	—
l.c.l., dlvd.	lb.	.06¾	—
Calcium base,[4] bgs., c.l., dlvd.	lb.	.06	—
l.c.l., dlvd.	lb.	.06¾	—
Calcium - rutile base,[4] bgs., c.l., dlvd.	lb.	.06	—
l.c.l., dlvd.	lb.	.06¾	—
Magnesium base,[4] dlvd.	lb.	No prices	
l.c.l., dlvd.	lb.	No prices	
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse, ¼c. higher.			
Tetrachloride, CP, 55-gal. dms., works.	lb.	.57	—
smaller pkgs., works.	lb.	.65	1.22
technical, 55-gal. dms., works.	lb.	.52	—
smaller pkgs., works.	lb.	.40	1.00
Tolu balsam, cns.	lb.	4.25	4.50
Toluene (see Toluol).			
Toluidin base, distilled, kgs.	lb.	1.00	—
Toluol (toluene), 2°, indust., ret. dms., works.	gal.	.27	—
tanks, E. of Omaha, frt. alld.	gal.	.22	—
West Minnequa, Colo.	gal.	.22	—
1°, nitration, ret. dms., works.	gal.	.27	—
tanks, E. of Omaha, frt. alld.	gal.	.22	—
West Minnequa, Colo.	gal.	.22	—
Tonga, 50% bark and vims, bbls.	lb.	.90	.91

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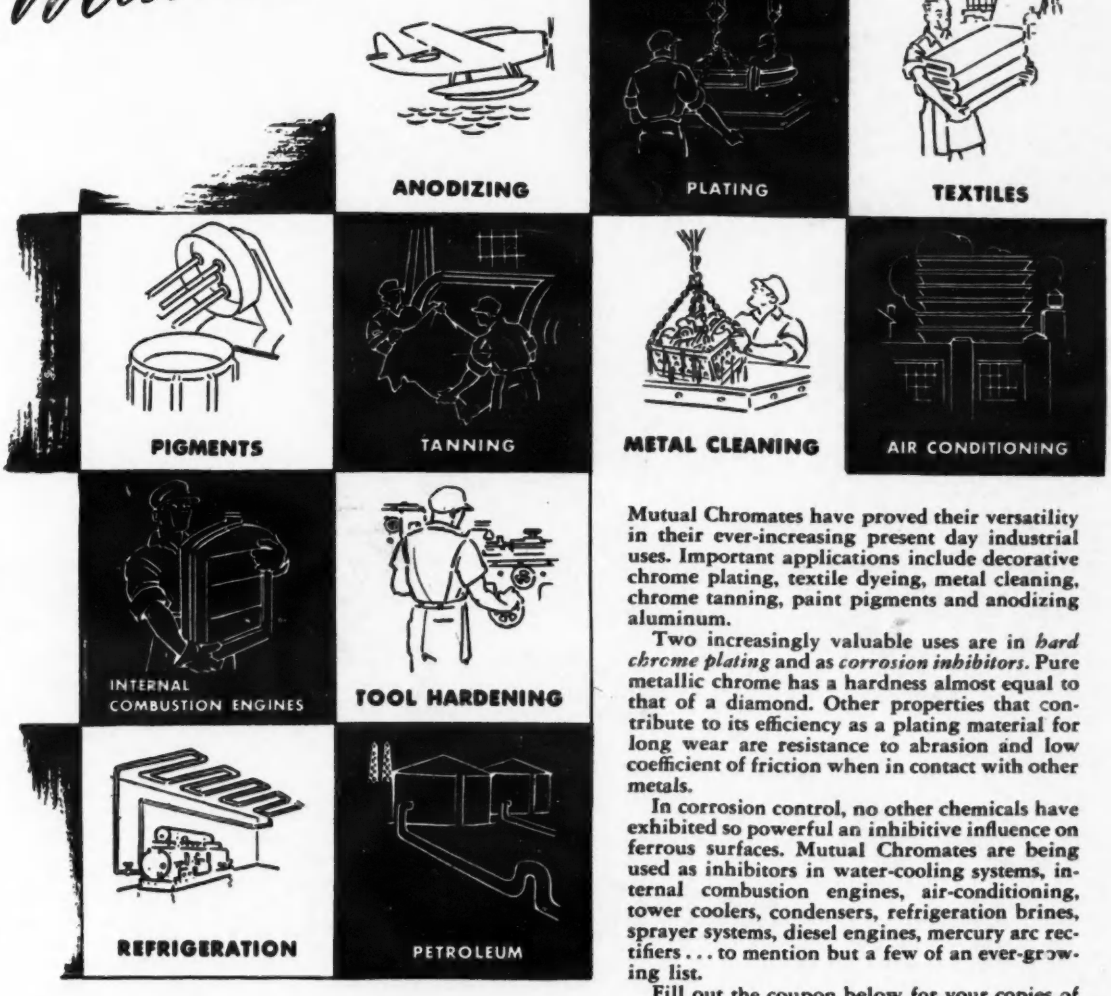

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Triacetin, dms., works.....lb. .20 - —
Triamylamine, dms., c.l., works.lb. .96 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., frt. alld. E. of Rockies..lb. .85 - —
Tributylamine, dms., c.l., works.lb. .72 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt. alld.....lb. .06½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works.lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .06 - —
Zone 2, frt. alld.....lb. .06½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —

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Tricresyl phosphate, tech., dms., c.l., dlvd..lb. .33 - —
l.c.l., dlvd.....lb. .33½- —
tanks, dlvd.....lb. .32 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .16½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%...lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, anhydrous, cyl., works, frt. alld. E. of Miss., 100% basis..lb. .35 - —
solution, dms., c.l., frt. alld. E. of Miss., 100% basis..lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .32 - —
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double-grd., bgs., c.l., works..ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic)
Tuba root (see Cube root).
Tungsten metal, powd., 99.9+%, dms., works..lb. 2.85 - —
Oxide, kgs., same basis.....lb. 4.75 - —
Turmeric root, Alleppey, bls...lb. .18½- .19
Haitian, bls.....lb. .14½- .15
Jamaica, futures, bls.....lb. .15½- .16
Madras, bgs.....lb. .16 - .16½
Turpentine, gum (see Naval Stores, Protective Coatings market).
Wood, d.d., dms. incl. c.l., wks., South..gal. .84 - —
l.c.l., same basis.....gal. .86 - —
tanks, wks., South.....gal. .76 - —
steam-dist., l.c.l., dms., incl. East..gal. 1.36 - —
tanks, East.....gal. No prices
Sulphate, ret. dms.....gal. 1.20 - 1.25

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.85 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -80.00
fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
imports, pure, cs.....lb. .12 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3..ton.112.60 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Urunday, extract, 62% tannin, ex dock, U.S. ports..lb. .06625- .06875
Uva ursi leaves, bls.....lb. .16 - .19

V

Valerian root, Belgian, NF, bls. lb. .86 - .77
Indian, bls. .....lb. .42 - .88
Valonia, beards, bgs, ex dock.. ton.75.00 - —
Cups, bgs., ex dock.....ton.60.00 - —
Extract, powder, bgs., ex dock, lb. .11½- .11¾
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 5.00 - 6.75
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, tins.....lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25 lbs. or more..lb. 4.50 - —
smaller lots, tins.....lb. 4.55 - 4.65
ex guaicol, tins, 25 lbs. or more. lb. 3.00 - —
smaller lots, tins.....lb. 3.05 - 3.15
ex lignin, tins, 25 lbs. or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .26
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works.lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Vitamin A (see Oils, codliver; halibut-liver).
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha.

W

Wattle bark, merchantable, bgs., f.a.s..ton.58.00 -59.80
fair average, bgs., f.a.s.. ton.60.00 - —
extract, liquid, 55% tannin, bbls., works..lb. .05¾- .06¼
tanks, works.....lb. .05½- .05¾
solid, E. Afr., 61% tannin, ex dock..lb. .06¼- .06¾
S. Afr., 62% tannin, ex dock. lb. .06½- .06¾

Wattle extract prices based on $12 freight and $1.00 insurance per long ton.

Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs..lb. .68 - .70
slabs, bgs.....lb. .65 - .68
crude, African, bgs.....lb. .56 - .57
Western hemisphere, bgs.lb. .58 - .60
refined, yellow, bricks, bgs.lb. .62 - .63
slabs, cs.....lb. .61 - .62
Candelilla, crude, bgs.....lb. .78 - .80
refined, bgs.....lb. .82 - .83

Powdered, candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.

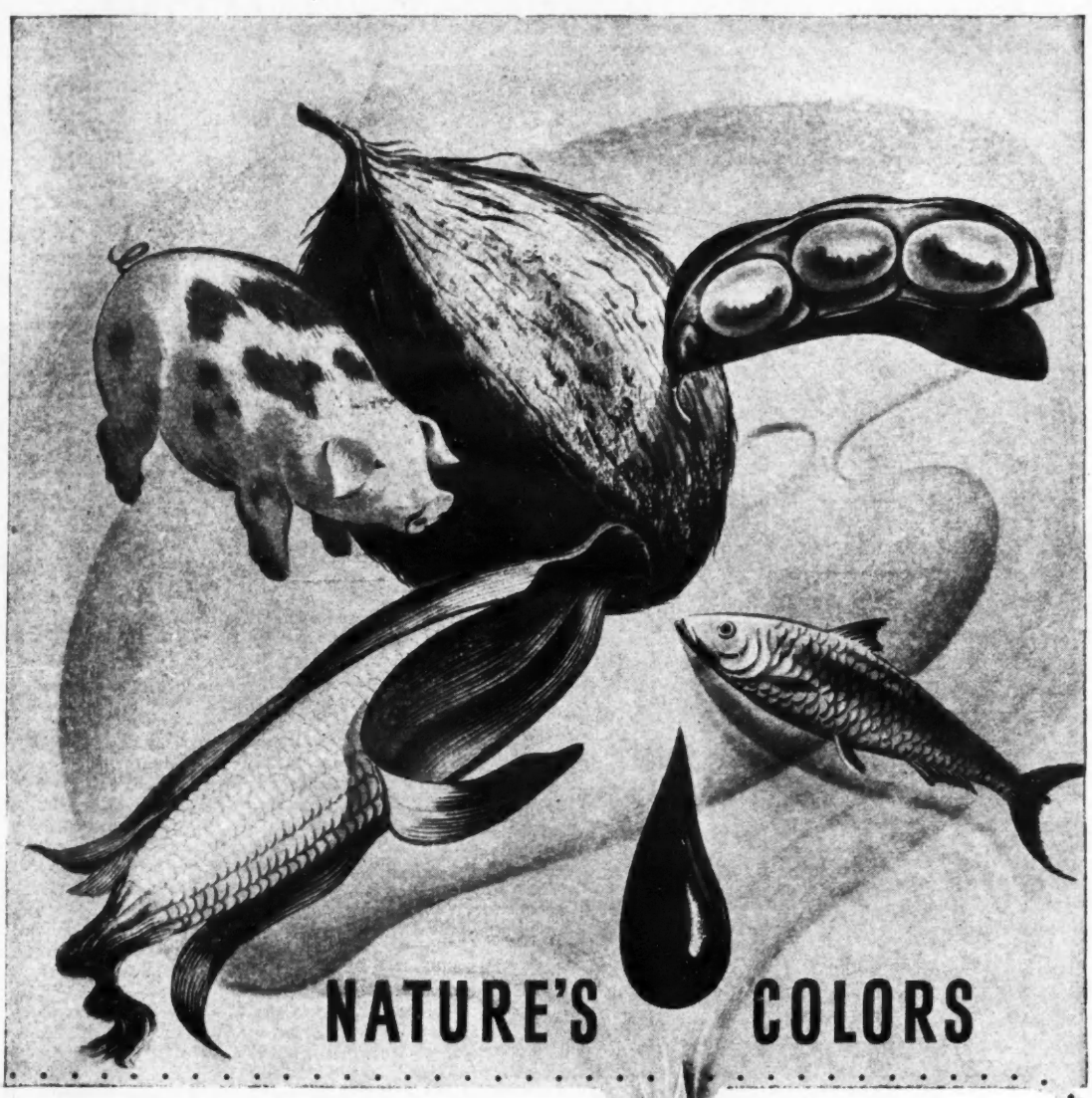
Carnauba, chalky, No. 3, bgs., bgs., ton lots..lb. 1.55 - 1.60
North Country, No. 2, bgs., ton lots..lb. 1.66 - 1.68
No. 2, bgs., ton lots.....lb. 1.62 - 1.64
refined, bgs., ton lots.....lb. 1.71 - 1.73
yellow, No. 1, bgs., ton lots.. lb. 1.90 - 1.92
No. 2, bgs., ton lots.....lb. 1.88 - 1.90

Powdered carnauba prices, same differentials as powdered candelilla.

Ceresin, dom., 132°-136° m.p., bgs..lb. .12½- .12¾
138°-140° m.p., bgs.....lb. .15 - —
156°-162° m.p., bgs.....lb. .19 - .20
Japan, bgs. .....lb. No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly contract, group 3, works..lb. .14¼- —
smaller lots, same basis. lb. .14½- .15¼
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots, same basis..lb. .13 - .14
white, ctns. 30 tons, same basis..lb. .24¾- —
smaller lots, same basis.. lb. .25 - .26
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots, same basis. lb. .16¾- .17¼
190°-195° m.p., ASTM, black, ctns., 30 tons, same basis. lb. .14¾- —
smaller ctns., same basis. lb. .15 - .16
white, ctns., 30 tons, same basis..lb. .28¾- —
smaller lots, same basis. lb. .29 - .30
Montan, crude, bgs.....lb. .54 - .55
Ouricury, crude, bgs., ton lots. lb. .95 - .97
refined, bgs., ton lots.....lb. .94 - .97

Powdered ouricury prices same as powdered candelilla.

Ozokerite, dom., 180-190 F., c.l. lb. .28 - —
182-184 F., bgs., c.l.....lb. .31 - —
182-183 F., bgs., c.l.....lb. .31 - —
Spermaceti, blocks, cs.....lb. .45 - .50
cakes, cs.....lb. .46 - .51
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, rossed, bls..lb. .32 - .34
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, works, St. Louis..ton.10.50 - —
smaller lots, works, St. Louis..ton.12.50 - —
wet-grd., air-floated, 325 mesh, 99½%, bgs., c.l..ton.14.50 -27.50
200 mesh, 99½%, bgs., c.l. ton. No prices
90%, bgs., c.l.....ton. No prices
water-floated, extra, gilders, bgs., c.l..ton.14.50 -28.00
gilders, bgs., c.l.....ton. No prices
putty grade, bgs., c.l..ton.13.00 - —
surface treated, bgs., c.l., Ohio, works..ton.27.50 - —
Paris white, bgs., c.l.....ton.25.00 -31.00
l.c.l. .....ton.25.00 -29.00
precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .18 - .20
rossed, green, bls.....lb. .30 - .31
Wild indigo root, bls.....lb. .22 - .23
Witch-hazel leaves, bls.....lb. .20 - .22
Witherite (see Barium carbonate, natural).



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Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton. No prices
60 mesh, same basis.....ton. No prices
80 mesh, same basis.....ton. No prices
100 mesh, same basis.....ton. No prices
Woodflour, in bags, 25c. each extra, returnable.

Wormseed, American, bgs.....lb. .20 - .27
Levant, bgs.....lb. 4.25 - 4.30
Wormwood, bls. .....lb. .59 - .69

X

Xanthorrhiza, bls.....lb. .26 - .30
Xylidin, mixed, dms.....lb. .38 - —
Xylene (see Xylol).
Xylol (xylene), indust., ret. dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .23 - —
10°, ret. dms., works.....gal. .30 - —
tanks, E. of Omaha, frt. alld..gal. .25 - —
8°, ret. dms., works.....gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .23 - —
3°, ret. dms., works.....gal. .43 - —
tanks, E. of Omaha, frt. alld..gal. .37 - —

Y

Yara yara, cryst., bots., cns..lb. 1.62 - 1.75
Yeast, brewer's dry, 30 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
800 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .13 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd.....lb. 1.45 - —
Cadmium, lithopone, all shades, bbls., frt. alld. E. of Rockies..lb. .55 - .60
Los Angeles and San Francisco, ex whse., 1c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.. lb. .23½- —
Chrome, CP, bbls., dlvd. Ala., Fla., Ga., La. (Shreveport), 1½c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis as chrome..lb. 1.43 - —
primrose, bbls., same basis.lb. 1.90 - —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa.. lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synthetic, bbls., c.l., works. lb. .0650- —
l.c.l., works.....lb. .0710- —
Mercury oxide, bbls., 1,000 lbs. lb. 2.42 - —
smaller lots.....lb. 2.45 - —
Ocher, American, golden, bbls., works..lb. .04½- .06½
yellow, bgs., works.....lb. .02¾- —
French type, bgs., c.l.....lb. .03¾- —
l.c.l. .....lb. .04 - —
Persian orange (see O)
Zinc, bbls., same basis as chrome..lb. .17¾- —
Yellow, zinc, Navy spec. type, bbls., contract..lb. .19 - —
Yellow dock root, bls.....lb. .33 - .40
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .20 - .22
Yohimbine hydrochloride, vis..oz. 3.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works...lb. .25 - —
smaller lots, bgs.....lb. .30 - —
Zinc acetate, tech., bbls., dlvd.lb. .18 - .21
USP, bbls.....lb. .26 - .27
kgs. .....lb. .27 - .30
Arsenite, bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .12¾
l.c.l., same basis.....lb. .12¾- .13¾
Borate, bgs., c.l.....lb. .12 - —
Carbonate, tech., rubbermakers' grade, bbls., works...lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .25 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.25 - —
gran., dms., c.l., works... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.00 - —
solution, 50%, dms., c.l., works. lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0225- —
USP, dms.....lb. .20 - .21
jars .....lb. .25 - .30
Chromate (see Yellow, zinc).

Zinc cyanide, kgs., works.....lb. .33 - .37
Dust, bbls., c.l., dlvd.....lb. .1250- .1300
l.c.l. .....lb. .13¾- .13
Fluoride, bbls., works.....lb. .18 - .19
Hydrosulphite, dms., works.lb. .16 - —
Iodide, NF, jars.....lb. 4.65 - —
Laurate, bbls.....lb. .23 - .26
Metal (quotations in Protective Coatings market).
Naphthenates, 8%-10% Zn, dms., lb. .17¾- .21½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd..lb. .09 - —
l.c.l., works.....lb. .09½- —
American process, com'l, lead-free, bgs., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .09½- —
leaded, 5%, bgs., c.l., dlvd..lb. .09 - —
l.c.l., works.....lb. .09½- —
35% or more, bgs., c.l., dlvd..lb. .10½- .10½
l.c.l., works.....lb. .10½- .10¾
50%, bgs., c.l., dlvd.lb. .10¾- .11½
l.c.l., works.....lb. .11 - .11½
French process, com'l, lead-free, bgs., c.l., dlvd..lb. .11¼- —
l.c.l., works.....lb. .11½- —
green seal, bgs., c.l., dlvd..lb. .10¾- —
l.c.l., works.....lb. .11 - —
white seal, bgs., c.l., dlvd..lb. .11¼- —
l.c.l., works.....lb. .11½- —
red seal, bgs., c.l., dlvd. lb. .10¾- —
l.c.l., works.....lb. .10½- —
USP, ctns., c.l., dlvd.....lb. .12¾- —
l.c.l., works.....lb. .13¼- —
Zinc oxide Pac. Coast prices ½c. higher: bbl. prices ½c. higher than bgs.

Zinc resinate, fused, 1% Zn, lump, 9% Zn, powd., dms..lb. .18½- —
Silicofluoride, bbls.....lb. .15 - .16
Stearate, tech., ctns., 2,000 lbs. to c.l..lb. .42 - .49
smaller lots, same basis.lb. .50 - —
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l., works, frt. alld..100 lbs. 3.40 - —
l.c.l., same basis....100 lbs. 4.15 - —
flake, bgs., c.l., same basis. 100 lbs. 3.90 - —
l.c.l., same basis....100 lbs. 4.55 - —
powd., bgs., c.l., same basis. 100 lbs. 5.55 - —
l.c.l., same basis....100 lbs. 6.10 - —
Zinc sulphate, in bbls., 25c. higher.
Sulphide, pure, bgs., c.l., dlvd. lb. .09½- —
l.c.l., works.....lb. .09¾- —
Barium pigment, works, bgs., c.l., dlvd..lb. .06½- —
l.c.l., works.....lb. .06¾- —
Fluorescent pigment, works, frt. alld..lb. 1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .09¾- —
Zinc sulphide and pigments, Pac. coast prices ½c. higher; bbl. prices ½c. higher than bgs.
Sulphocarbolate, NF, gran., bbls., dms..lb. .28 - .30
Sulphoxylate formaldehyde, basic, dms., works, frt. alld..lb. .17 - —
normal, dms., works, frt. alld..lb. .25 - —
Tallate, 5% Zn, dms.....lb. .09¾- —
Yellow (see Yellow, zinc).

Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.65 - —
l.c.l., works.....100 lbs. 6.70 - —
Zinc - cadmium sulphide, fluorescent, ens., works, frt. alld..lb. 2.00 - 2.20
Zinc-iron oxide pigment, bgs., c.l., dlvd..lb. .07¾- —
l.c.l., dlvd. E. of Rockies. lb. .08¼- —
Pac. cst.....lb. .08¼- —
ex whse., Pac. cst...lb. .09¾- —
Zirconium acetate, solution, bbls., works..lb. .25½- —
Hydride, ens., works.....lb. 7.00 - 8.00
Nitrate, bgs., works.....lb. 3.00 - 4.00
Oxide, 99%, grd., bbls., c.l., works..lb. .22½- —
l.c.l. .....lb. .23¾- —
white, 99½%-99%, grd., kgs., works..lb. .30 - —
milled, electric, fused, 2,000-9,000 lbs., works.lb. .40 - —
500 lbs. and less, same basis..lb. .40½- .42
Oxychloride, cryst., bbls., 5 tons, works..lb. .20½- —
Sulphate, basic, cake, bbls., c.l., works..lb. .12 - —
l.c.l., works.....lb. .12½- .13
smaller lots, works..lb. .13 - .13½

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in the Dec. 2 issue of OPD.

Trade Briefs

Lion Chemical Corporation, subsidiary of the Lion Oil Company, has completed three additional producing oil wells in the Chance Field of Pratt County, Kansas.

Independent Natural Gas Association has elected Joseph Bowes, president, succeeding E. Buddrus. Mr. Bowes is president of the Oklahoma Natural Gas Company.

Tide Water Associated Oil Company has received United States Maritime Commission approval for the purchase of five modern tankers under the terms of the Merchant Ship Sales Act, 1946.

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Resins
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for decorative • protective • resistant COATINGS
Velsicol oxidizing and non-oxidizing type resins of petroleum origin offer distinct advantages in the formulation of both air-dry and baked finishes. Desirable physical and chemical properties, ease of formulation, and wide range of application place these resins in a position of incomparable prominence.
Our Technical Staff is at your service for practical information regarding the utilization of these resins in architectural white and pale tint enamels, aluminum vehicles, sanitary can coatings, baking primers and surfaces, and toy enamels.
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In Canada: Natural Products Corp., Montreal 2

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Excellent Economic Advice

Those who look to government for the solution of every problem of commercial and social, as well as political, economy probably will look upon the recently submitted report of the Council of Economic Advisers to the President as a document of reactionary theory. The council clearly recognizes the inevitability of governmental participation in all aspects of the national economy, but it declares that this should be "a carefully considered complementary role," teamed with "wise policy and action on the part of labor, of management, of agriculture, and of finance." Those who find encouragement in that recognition of realistic values will do well to dwell particularly on one word—"action." Good works—wise action—is still the prime essential of human progress.

Some of the newer faiths of economic salvation are given a shattering blow when the advisory council says:—

Mere legislative acts alone will not force capitalists to invest, employers to hire, or laborers to work. . . . We suggest that the impediments to prosperity in the near future are of the sort that must be worked out without direct government intervention, through the practical wisdom of management and labor, farmers, and financiers.

The same concept of economic fundamentals is set forth by the council in its declaration of the necessity and desirability of mutual adjustment of "wage, price, cost, and profit relations." It says:—

Something can no doubt be done during the coming year toward improving the institutions under which such negotiation is carried on and the terms of adjustment carried out. But legislative changes in our business institutions will be a minor determinant of what actually happens in 1947. The major determinant will be found in the statesmanship or the obstinacy of the men, particularly the leaders, who are the active parties in business operations.

There can be no more enlightening comment on the philosophy of the Council of Economic Advisers than this by the executive vice-president of the National Association of Manufacturers:—

I like especially the repeated emphasis the council puts upon both the desirability of and the good results to be attained by cooperation between the various groups in the nation—management, labor, agriculture, and government—and the determination of the council to formulate its policy upon the basis of close consultation with all these groups. This is an approach which is bound to be fruitful.

Challenge for Leadership

Others besides the Council of Economic Advisers and the NAM executive are outspoken in their challenge of the ability of business leadership to construct and maintain economic stability. The president of the Congress of Industrial Organizations has declared that employment peace depends henceforth on what "industry" does—he means management, because he sets forth what his segment of industry intends to do about it. All that management has to do, as the CIO head puts it, is to provide the necessary wage adjustments and other inducements, in accordance with demands already reduced to monetary units and those implied in the recent commentary on wages and prices by the CIO hired economist.

If the task of management were as simple as that, employment peace would be assured—for such a time as the inciters of labor were content to let well enough alone. But, 20-percent wage increases—even 10-percent boosts—cannot be drawn from a hat. Management must reckon with a long line of abilities to pay, stretching out to every possible purchaser for ultimate consumption. The money must actually be earned.

Management leaders would be able to approach the problem of employment peace and stability, which has been dumped into their lap, with much more assurance of success if they would utilize the available evidence that higher selling prices must follow higher labor costs. The CIO economist presents a plausible program; it has more than a little truth in it. Maybe it will be answered with the greater truth which alone can meet its challenge. Nothing is accomplished by the most "expert" condemnation of the proposal thus far adduced—before there possibly could have been time to analyze the relevant contradictory data and prepare a categorical answer. Name-calling and spouting of theory does not even approach, let alone meet, the issue. The need is for factual evidence on such points as how much would corporate income taxes be lessened if this or that percentage of gross income were paid out as additional wages; or what is the difference between the margin of profit in operations which employ hundreds of thousands and those, usually selected by the advocates of wage-boosting, which employ but hundreds.

Washington Talks It Over

—Continued from page 5

to call the attention of the Procurement Division of the Treasury Department—now the Bureau of Federal Supply—to the "Buy American" provisions of the new stockpiling law. The bureau is the purchasing agent for the board, and according to complaints in the metals trades, it hasn't been giving as much attention to the "Buy American" requirements as it should.

Under the provisions of the new stockpiling law, the government can make purchases of materials in foreign sources only when domestic prices are unreasonable. The question of what constitutes an "unreasonable" domestic price is the crux of the situation, and the failure of Congress to provide any standard for this term has complicated the situation. During debate in the senate it was mentioned that any American price that was 25 percent above the world price could be considered unreasonable, but that is considered much too high by procurement officials.

The probabilities are that some clarification of this point might be asked of Congress next session.

WPB Chemical Alumni Sought

If you are a former member of the Chemicals Bureau, Division, Section, Unit, or whathaveyou, of WPB, its predecessors, or successors, you will be interested in this!

Ann Dudley, whom you will remember from the days when Dr. Reid was running WPB chemicals, is trying to get in touch with you. She is now Vice-President in Charge of Trifles—and Trifers of the Chemicals Bureau Alumni Association, which members of the WPB Chemicals Division formed a little over a year ago when the war effort began falling apart after VJ-Day. She wants to know where you are, what you did while with the agency, and what you are doing now.

The association is getting out a directory of all those who worked for chemicals, and this information is needed to make it complete. Of course, it costs money to prepare and mail such a directory, so you will have to kick in anywhere from a dollar—$10 if you are in the tycoon class. You can reach Ann either at 5 Poe road, Woodhaven, Bethesda 14, Md., or at 610 Shoreham building, Washington 5, D. C.

Surplus Disposal Bars

If War Assets Administrator Littlejohn had his way, all priorities except for Federal agencies, would be terminated in the interest of speedy disposal of war surplus property at a reasonable return to the government. Testifying recently before a house investigating committee, he pointed to the difficulties and expense of administration, red tape delays, lessened interest of nonpriority buyers who are skeptical of the value of leftovers, and inability to satisfy priority buyers whose principal interest is in articles in critical short supply.

The position of Mr. Littlejohn is substantially the same as that expressed by a number of business organizations recently. Besides the priority requirements, other provisions of the surplus disposal act are cause for official concern because of their delaying effects which combined might prolong surplus liquidation for years to come.

German Technical Stuff

An Anglo-American agreement has been reached for the exchange of German technical information acquired by the two nations since VE-Day. Hundreds of thousands of German scientific and technical documents have been uncovered by British and American investigators in their respective zones, and microfilm copies have been made. Heretofore the exchange of these documents between the two nations has been imperfect; but, under the present agreement, representatives of each nation will be able to select from the other's storehouse of reports the items which they find valuable.

The American depository for German documents and microfilms is the Office of Technical Services, Department of Commerce. Three British experts are now examining the catalogs and abstracts of these reports which have been prepared by OTS. In London, the main processing center for German documents is the Board of Trade German Division (documents unit) which is located in Lansdowne house. There documents of interest to industry are summarized and copies of the abstracts are sent to the OTS staff which is now at work in Frankfurt, Germany.

Requests for British documents and summaries should be addressed to OTS, where the British material received is abstracted and publicized through the Bibliography of Scientific and Industrial Reports.

Executive Government

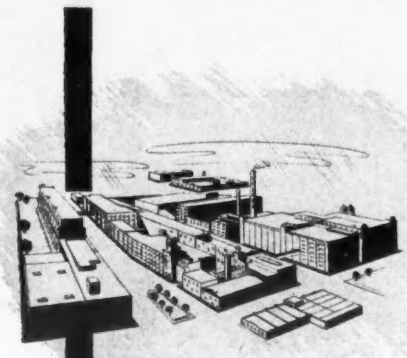
A study just completed by the National Association of Manufacturers has turned up some interesting information on how great a part the White House plays in the daily affairs of the government and, indirectly, the affairs of business. The complaints of business that government has become a rule by executive order rather than by law, may not be too far wrong.

Since 1933 the number of executive orders issued from the White House averages almost one every business day. There have been approximately 300 executive orders issued annually by the White House or a total of 3,733 in the thirteen years since 1933. This is more than half as many as were issued from the time Abraham Lincoln issued his first order October 20, 1862, until the Republicans lost control of government in 1932.

The number of agencies and bureaus of the government also was more than doubled in the last thirteen years. In 1932, NAM says, the records showed the existence of 521, now there are 1,141. Employees on the government payrolls are nearly four times as many. There were 582,000 in 1932 and now there are 2,229,000.

We trust that your Christmas Holiday has been in all ways joyful. We wish that your New Year may be wholly unimpeded.—OPD

OPD—12-30-1946 31



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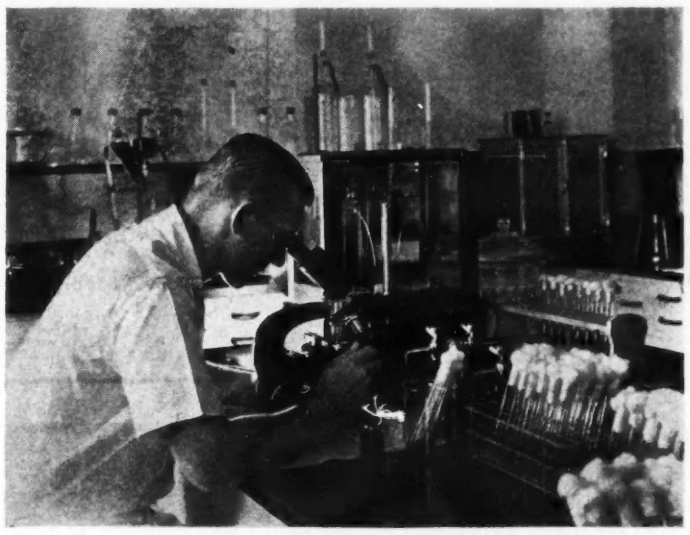

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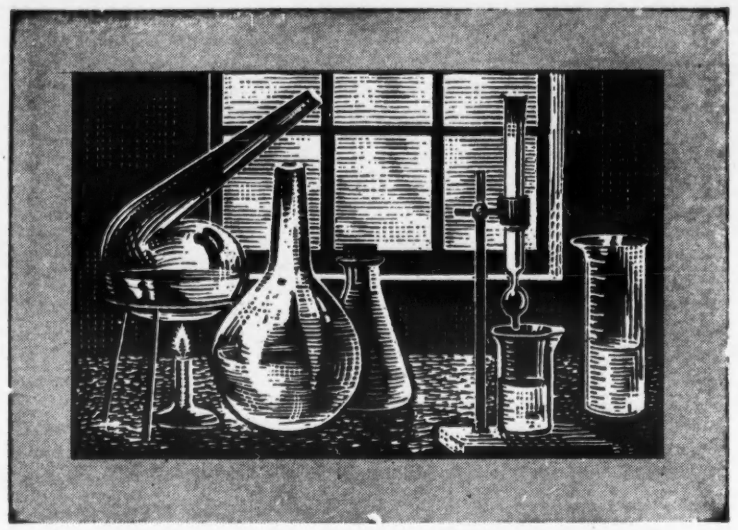

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Heavy Chemicals

Shortages of industrial chemicals at the close of the year kept the major part of buying interest focussed on future shipments. Holiday influences had a tendency to check actual business but inquiries were mounting at the end of the week. Prices in several directions will range from slightly to moderately higher for a number of chemicals at the beginning of 1947. Increased labor costs and higher prices for raw materials, containers and transportation have been taken into consideration and while some chemical schedules have not been altered, there are several that have been adjusted to higher selling levels. Revisions in the heavy tonnage classification have been moderate and not of a character to dampen the demand for contracts while in some of the smaller chemicals buyers have shown a drift toward conservatism. The copper, lead and zinc chemicals have their prices regulated by fluctuations in the metals and at present are definitely strong with price advances rather spectacular.

At the close of 1946, antimony oxide responded to the sharp increase in the market price for antimony metal. Producers were not ready to announce schedules for the other antimony chemicals but admitted that an advance was inevitable. Bauxite departed from its usual even course and registered an advance in quotations at the mines. An additional increase was recorded in the price of lead acetate. Glacial acetic acid in tankcars has been advanced for 1947 shipments by some producers. Silicofluoride of soda is slated to advance early next year. The higher market for formic acid appears to have given nickel formate the necessary background for an advance. Higher prices for sulphuric acid have been named at some points but to date no general advance has been anounced by leading producers. The only way open to secure soda ash, caustic soda or other affiliated alkalies is by contract and it has been asserted that distribution next year will be short of requirements by possibly 15 percent. Orders have been placed for calcium chloride, carbon tetracholoride and chlorine for future shipment and some buying of silicate of soda contracts was also reported during the week.

Market Trends

Prices Advanced

Antimony oxide, ceramic grade, 1¼c. per lb.
Antimony oxide, paint grade, 4¾c. per lb.
Bauxite, $1.50 per ton, domestic, bulk, at mines.
Lead acetate, 1c. per lb.

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
185.8	184.5	178.7	168.9

Acids

Last week.	Prev. week.	Last month.	Last year.
116.3	116.3	116.3	116.0

(For Current Prices see Page 9)

Ammonia Bicarbonate — Inquiries have continued to mount for shipment over the first quarter of 1947. The market is firm with producers accepting business at the 1946 level.

Ammonia Carbonate—Not in free supply although regular consumers are receiving shipments on a fairly prompt basis. Contract orders are being accepted for the first three months of next year at current price levels.

Antimony Metal — No additional price changes were reported last week. The market was quoted firm at the recent advance.

Antimony Oxide—This market has responded to the advance in the metal and prices are established at a higher trading level. The lowest price named for the ceramic grade was 23c. and the paint grade 25¾c., both in bags, carlot shipments from works. Smaller quantities were above these figures, the price depending upon the quantity involved. Other antimony chemicals are expected to advance but no new schedule has been announced to date.

Ammoniac Sal—Heavy demand mostly from the manufacturers of dry-salt batteries has kept ahead of the supply level and left the market in a tight position. Contracts for shipment over 1947 are quoted higher at $4.75 per 100 pounds for carlots and $5.00 per 100 pounds for l.c.l. Demand for export, particularly for the Far East has been steadily mounting with stocks too short to level off this inquiry.

Arsenic—Closed the year in a tight position with stocks short of demand. The market was firm, but unchanged at 6c. per pound in carlots, works.

Bauxite—Higher prices have been established for this material. The lowest price heard was $8.50 per ton for domestic at the mines for bulk with a range upward to $10.00 per ton, depending upon the quality.

Calcium Chloride—Maintenance of an unusually heavy inquiry throughout the past year has swamped producers and they were never able to level off demand. Such conditions prevented the building up of the usual stockpile and the spot market remained bare of material. Short shipments have predominated in the general movement and there will be no inventories to usher in the new year. Producers have accepted contracts at $23.50 per ton for flakes in paper bags, carlots, works f.o.b. any railroad siding in zone 1 and at $21.50 per ton in zone 1A. Solid is offered at 50c. per ton less than flaked.

Carbon Tetrachloride—Short stocks continued in evidence at the close of the year. It is stated that the stringency in chlorine has kept production down while demand of full seasonal dimensions has prevailed. Contract business for 1947 has been placed at a moderate advance over the 1946 level.

Chlorine—Shipments were behind schedule at the close of the year with demand ahead of production. Shortage of tankcars has tended to aggravate the movement and has added to the the consumer pressure for shipments. The contract price for 1947 deliveries is firm at 2c. per pound for single unit tankcars f.o.b. sellers' works.

Epsom Salt—Market supply of technical short for prompt shipment. Producers are holding contracts for 1947 delivery at ¼c. per pound higher than those current in 1946.

Lead Acetate—An advance of one cent for pound has been announced by the major producer. This is the second upward revision registered during the month of December and is a reflection of the higher cost of pig lead. White crystals were quoted at 17c. per pound in barrels, white granular at 17¾c. per pound in barrels and white powdered at 17¾c. per pound in barrels. Kegs containing 100 pounds are held 2c. above barrels. All prices are f.o.b. New York.

Magnesia Chloride — Firmer and tight with production held down by the stringency in chlorine. Contract prices for flakes will be $5.00 a ton higher in 1947 or $37.00 per ton for carlots at the works.

Manganese Chloride—Market situation held a fair degree of balance during the past month although reports were heard that production had been held down by the stringent conditions prevailing in chlorine. Shipments were channeled mostly to the chemical and dye industries. No change in prices has materialized.

Manganese Dioxide—Remained rather quiet last week with occasional sales reported for use in the chemical and paint industries at former price levels.

Nickel Carbonate—Stocks have remained rather light for prompt shipment. The shortage of soda ash has interfered with production during the last quarter and low inventories have tightened the market's position. Prices were firmly maintained at the recent advance.

Nickel Formate—Definitely tight with production cutback by the shortage of formic acid. The advanced price of the latter chemical combined with the strong position of the metal

For Late Market Developments, See Page 4

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Nickel Sulphate—Closed in a better supply position than prevailed at the beginning of the year. Production experienced a lot of interruptions but finally succeeded in keeping the market in a fair state of balance. Prices were firm but unchanged from the late advance.

Potash Carbonate — Miscellaneous consuming demand has been active enough to prevent any appreciable relaxation from the tight supply condition of this market. Demand from the glass industry has been maintained at an unusually high level. Contracts for 1947 have been named at higher prices, the calcined figure being increased ¾c. per pound and the hydrated ¼c. per pound above the 1946 level.

Potash Caustic—Contract prices for 1947 are quoted ½c. a pound higher for the dry forms and ¼c. higher for liquid than those prevailing in 1946. The market position has continued tight with demand exceeding production at the present time.

Potash Chlorate — Production was not sufficient to satisfy the increased demand for this chemical promptly. Inquiry from the match factories has been mounting steadily during the month and the market has also felt the impact of a heavy miscellaneous buying movement. Although the tone of the market is firm, contracts are being accepted for future delivery at prices current in 1946.

Potash Perchlorate—While the market is practically bare of material for prompt shipment, contracts are being accepted for future delivery at the same prices that prevailed in 1946.

Potash Permanganate — Closed the year in a tight, firm condition. Stocks have never been free throughout the entire year although producers have been able to keep essential requirements covered on a fairly prompt basis.

Soda Ash—Consuming demand was maintained at a high level and considerably above production capacity. All requirements of consuming industries have been taken care of as far as possible. It is estimated that output averages about 15 percent below industrial wants. The market closed the year in an exceedingly tight position and without revealing any sign of nearby easement.

Production of soda ash in France, amounting to 74,126 metric tons in the first quarter of 1946, increased to 105,379 tons in the second quarter, according to the French Ministry of Production. For the third quarter, only July and August figures are available, output in those two months totaling 95,352 tons. Monthly average production of soda ash in the first quarter was 24,709 tons, and in the second quarter, 35,126 tons; in the third quarter (July and August only) it was 47,676 tons. The monthly average in 1938 was 40,280 tons.

Soda Bicarbonate — Market conditions were definitely tight at the close of the year. Stringency in soda ash has kept production down while consuming demand has continued exceedingly active. Shipments at present are several weeks behind scheduled requirements.

Soda, Caustic—Market supply position was definitely tight at the close of the year. Heavy consuming demand has exceeded production and the market has been short of stocks throughout the entire year. At present there are no indications of easement and it looks as though a tight market can be expected for an indefinite period. The continued shortage of containers has seriously aggravated the general movement and has caused considerable concern at supply points.

Soda Chlorate — This market was thrown out of balance during the month by a steadily increasing consuming demand. While production was kept near capacity, shipments could not keep pace with requirements and a tight market situation was created. Demand was of miscellaneous character with a substantial leaning toward weed-killer. The major part of the movement was channeled West. No price change for the beginning of the year.

Soda Orthosilicate—Selling schedule after January 1 will be $4.00 per 100 pounds for carlots in barrels f.o.b. works. This compares with the current price of $4.50 per 100 pounds in drums freight equalized.

Soda Silicate—A new schedule will be made effective January 2. Prices will be moderately higher at 75c. per 100 pounds for 40° in tankcars works and at 95c. per 100 pounds in drums, carlot shipments from works. The 52° is quoted at $1.35 per 100 pounds in tankcars works and at $1.55 for 100 pounds in drums, carlot shipments from works.

Soda Silicofluride—This market is slated for higher prices although the selling schedule has not been announced to date. Demand has been steady throughout the past month and stocks have remained tight. Small lots of imported material have been noted, the week's arrivals amounting to 379 barrels from Copenhagen.

Zinc Scrap—October zinc scrap consumption of 19,067 short tons was the highest ever recorded since the monthly zinc scrap survey was started in October 1942, according to the Bureau of Mines. Receipts of zinc scrap, especially residues, by consumers were also large and, as they were a thousand tons greater than total consumption, inventories increased by that amount to 34,654 tons. As in other recent months the amount of zinc scrap available from dealers was not sufficient to satisfy the de-

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mand with price control in effect. Secondary zinc recovered in remelt die-cast slab increased 599 tons to 1,189 tons in October and in redistilled slab 218 tons to 3,813 tons. Zinc in lithopone, including other zinc sulfide pigments, recovered from scrap, totaled 1,606 tons in October, compared with 1,390 tons in September. Recovery of secondary zinc in lead free zinc oxide, which had fallen 36 percent in September, decreased 47 percent to 439 tons in October. About 90 percent of the total production of lead free zinc oxide is from primary materials.

Acids

Acetic—While no general announcement has been made, one producer is naming $7.62 for 100 pounds f.o.b. works for tankcars for 1947 shipments of glacial. This figure compares with a minimum of $6.93 in 1946. The market's supply position is exceedingly tight.

Chromic—Shipments are going forward to regular consumers and demand from this source has been active enough to tax production. There are no excess stocks at present and it was stated that a sizable amount of new business could be booked if the acid was available. Importations of 5,361 tons of chrome ore were noted last week.

Hydrofluosilicic—Market has continued in sufficient supply to meet requirements promptly. Moderate buying interest was reported from the breweries and platers with sellers naming former prices on new orders.

Nitric—Firm and not in free supply with the movement directed mostly to contract accounts. The current shortage of carboys has delayed shipments in some instances.

Oxalic—Producers have been unable to satisfy the consuming demand for this acid and the end of the year will find the market practically bare of inventories. Orders for contract shipments are being confined mostly to regular consumers. The market is higher for 1947 deliveries with 13c. a pound the lowest figure heard for contracts.

Sulphuric — Current demand has topped supply temporarily and at the close of the year the market was reported tight. Higher prices have been named in some quarters for 1947 shipments on account of increased producing costs. The shortage of tankers has aggrevated the movement from works and caused some delay in shipments.

P.A.'s View

—Continued from page 5

fort to reduce inventories, especially on high-dollar items. A conservative policy on raw materials seems particularly advisable.

Mercantile and commercial inventories are expected to show a considerable decline after January 1, 1947.

Buying Policy

Buying policy for industrial purchasing agents continues to be controlled largely by schedules of suppliers. Situations vary from "hand-to-mouth" where shipments are made promptly, to long-range buying on items still scarce. Three to six months appears to be a fair average.

A definite intention to reduce inventories and commitments is reported. Cancellations are more numerous. Future coverage is being made only after very careful consideration. Longer than six months' coverage is now the exception rather than the rule.

More attention is being given to price-readjustment provisions, and efforts are being made to eliminate them entirely, or at least limit the amount of increase and secure mutual protection. Buyers realize that escalators can go down as well as up. The wise vendor also will give that possibility more consideration.

The opinion is becoming general that sellers should be in a position to estimate costs of labor and materials, for near-term needs, and assume normal and reasonable business risks. Buyers see no reason for continuing to have all risks passed along to them.

Specific Commodity Changes

While reports, almost without exception, reflect higher commodity trends, there are, of course, many mixed situations. Price increases reported indicate considerable thought is being given to the advances, and prices are not just generally being raised without justification. The swing from a sellers' market to a buyers' market on some items seems to be approaching—and probably is nearer than many suspect.

Steel prices have, very generally, been adjusted upward; the situation is not entirely clear as to what the total increase may be, as finished product prices have not been submitted finally by the steel producers. Pig iron and scrap are in extremely short supply; supplies are entirely inadequate for the current rate of production.

Copper prices appear temporarily stabilized around 19½ cents, but opinion is expressed that they may reach 21½ cents, and then finally retreat to 17½ cents if the 4 cent tariff should be released. Nickel up. Brass products higher. Lead is now at the highest prices in history.

Paint ingredients have advanced sensationally, the outstanding example being glycerin.

A slight decrease in lumber is indicated, and slightly more supply is available.

Burlap reported up 25 percent to 50 percent.

Small reductions reported on mercury and platinum.

Menthol temporarily easier, due to imports of Japanese stockpiles. Expect sharp price rally when this is used up.

Soda ash very tight, due to lower production and higher demands from producers of textiles, metals, glassware, cleaners, sterilizers, and other commodities.

Boric acid up about 8 percent. Synthetic detergent up about 12 percent, effective January 1, 1947.

Dyestuffs up 10 percent January 1, 1947.

Paper products substantially increased. Book paper contracts for January are at a higher price.

Shipping containers up 8 percent.

An advance of 15 percent on stoker coal by a large producer, without explanation, is reported. It appears to be an effort to fix a higher market, and users should investigate that possibility of increased industrial costs. The use of fuel oil and gas is expected to show large increases, because of the recent coal strike.

Office supplies, stationery, and equipment are up very materially. Reports indicate prices are about double the 1940 level.

Refined sugar is reported up from 7.60 cents to 8.00 cents basis.

Employment

The employment figures for the past thirty days have taken a decided jump. This may be due, at least partly, to holiday season activities, and may mean an increase in seasonal merchandising.

Most industries appear to be back on full time after the coal strike.

Employment of male help continues at a higher rate than that of female help.

Manpower is still a problem. There are plenty of jobs for those who want to work. The general situation appears better in the East than in the Middle West. Unskilled labor still is short, but the situation seems to be easing; skilled labor is very short in all sections.

Many returned G.I.'s are coming off the "52-20 Club" and taking employment in industry.

Trade Briefs

National Association of Manufacturers has appointed M. L. Van Slyck editor of "NAM News." He was former editor of "Newsweek" and the "Chicago Journal of Commerce."

Utah Chemical & Carbon Company, Salt Lake City, has registered with the Securities and Exchange Commission $700,000 principal amount of fifteen-year convertible debentures and 225,000 shares of $1 par value common stock.

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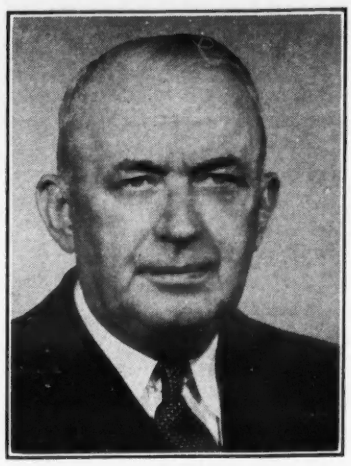
Principals in Shift at Hercules



William J. Austin (left), Hercules Powder Company's director of purchases since 1942, will retire December 31, and will be succeeded by Andrew Van Beek, an assistant director of purchases. Mr. Austin has been associated with the explosives industry since 1902, when he joined the Aetna Powder Company as a salesman in Chicago. Mr. VanBeek joined Hercules in June, 1923, as a chemist at the Kenvil, N. J., experiment station, after graduating from the University of Iowa.

Acetic Acid Output Process Described

OPD Washington Bureau

An acetylene-methanol process developed by the Germans to improve the quality of acetic acid for cellulose films is described in a report now on sale by the Office of Technical Services, Department of Commerce.

The process is based on the reaction of acetylene with methanol under pressure to give vinyl methyl ether, which is then hydrolyzed to give acetaldehyde and methanol, the latter being recycled. The process is claimed to be simpler than the mercury-catalyst Schopau process, obviating poisoning and recovery of the catalyst, and eliminating mercury impurities in acetic acid which show up as blemishes in cellulose ester films.

Although production before the war was on a limited scale in the Ludwigshafen research plant of I. G. Farbenindustrie, plans had been made for a new plant with a capacity for 170 tons per day of acetaldehyde.

Daily output of the proposed plant called for handling 96,600 cubic meters of acetylene, from which 264 tons of crude vinyl methyl ether and 163.5 tons of methanol would be produced. On an experimental basis, the yield of vinyl methyl ether from acetylene was 97 percent, and the saponification stage to acetaldehyde was achieved with a 99 percent yield.

Orders for the report ("Manufacture of Acetaldehyde," PB-40121; microfilm, $1; photostat, $1) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Heyden Chemical Absorbs Aktivin Corp.

The Heyden Chemical Corporation has announced that the Aktivin Corporation has been merged with it. The activities previously carried on by The Aktivin have been taken over by the Aktivin Division of the Heyden Chemical Corporation. Dr. R. Feibelmann, formerly General Manager of Aktivin, will continue in the same capacity in the Aktivin Division.

Trade Briefs

Endemano Plating Company has been incorporated in Los Angeles.

Grand City Container Corporation plans construction of a one-story plant consisting of 300,000 square feet at North Bergen, N. J.

Helena Rubinstein, Inc., New York, has appointed George S. Carroll sales manager. He was formerly vice-president of Primrose House.

'Trioxane,' a polymer of formaldehyde useful as a fuel, solvent, plasticizer, intermediate in organic reaction processes, and for a wide variety of other industrial purposes, is now available for commercial distribution, E. I. du Pont de Nemours & Co. has announced.

Sharp & Dohme Rents Three Buildings

Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, has leased three buildings at Fifth and Bristol streets, in that city, which were occupied by the Army during the war. The space will be used for finished stock warehousing, storage of packaging supplies and for the Philadelphia district sales office, which will leave its present location.

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The tremendous increase in the use of concentrated sulphuric acid as a catalyst or dehydrating agent in industrial processes has created numerous disposal problems for the spent acid. Frequently 95 to 98% of the acid purchased is purged from the process as a spent product. These spent acids vary widely from high quality materials to low acidity materials.

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Industries faced with the necessity for disposing of spent acid are invited to discuss this problem with us.

Industries that require a large tonnage of low cost acid should give careful thought to locating new plants in the Gulf Coast area where this type of acid is available in great quantity. Write us for information concerning the strengths and grades of spent acid that are available. We are daily processing hundreds of tons of spent acid and will be pleased to assist you.

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Elected Vice-Presidents of Mathieson

D. W. Drummond (left) and Arthur T. Bennett have been elected vice-presidents of the Mathieson Alkali Works, New York, Mr. Drummond's new title is vice-president and general manager of sales and Mr. Bennett's is vice-president and general manager of operations.

Hercules Advances Long and Eurenius

Dr. John M. Long, formerly manager of the sales research division of Hercules Powder Company, Wilmington, Del., has been appointed special assistant to the general manager of the paper makers chemical department, the company has announced.

Carl W. Eurenius, control supervisor of the cellulose products department, has been appointed manager of the sales research division. Both transfers will take effect at once.

In his new position, Dr. Long will aid in the administrative work of the paper makers chemical department. Since joining Hercules in 1933, he has worked on market development and technical liaison between Hercules and its customers. When the sales research division was established in 1943, Dr. Long was put in charge of it, to investigate new markets for chemical products and study the needs of industries served by Hercules.

Mr. Eurenius has been engaged in coordinating and interpreting cost and profit statistics since March, 1946, when he was appointed control supervisor of the cellulose products department. Before that, he served as technical representative of the Department, specializing in thermoplastic laminates and plastic applications. He joined Hercules in 1942.

Trade Briefs

Harry B. Higgins, president of the Pittsburgh Plate Glass Company, has been elected a director of the Pennsylvania Railroad Company.

Dr. Charles A. Marlies has been appointed associate professor of the chemical engineering department at the College of the City of New York.

Pennsylvania Salt Manufacturing Company, Philadelphia, has established a new packaging and labeling division, with George W. Benbury as manager.

Sun Chemical Corporation, New York, recently issued a new folder, "Color in Electromagnetic Energy," which folder may be obtained from any division of the company.

Cork Trading Corp. Vested Shares Offered

OPD Washington Bureau

The Attorney General invites bids for the purchase of seventy-five shares of the common capital stock, par value $100 each, of the Cork Trading Corporation, New York, and of an undivided three-tenths interest on a $12,500 due January 14, 1951, and collaterally secured by 125 shares of the stock.

The property offered for sale is held under Vesting Order No. 3872, dated July 11, 1944, pursuant to the authority of the Trading with the Enemy Act.

All bids must be presented at the Office of Alien Property of the Department of Justice, 120 Broadway, New York, on or before noon, January 3, at which time they will be opened.

W.Va. Pulp & Paper Elects Cook to Board

Theodore A. Cook, manager of the Charleston, S. C., plant of West Virginia Pulp & Paper Company, has been elected to the board of directors. Mr. Cook has been manager at Charleston since construction of the plant was begun in 1936, and has served with the company for thirty-seven years. He was elected to the board to fill a vacancy created by the recent resignation of Edwin S. Hooker.

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Textile and Leather Chemicals

Despite the holiday season, active demand for domestic sizing materials featured the market last week. Withdrawals of corn dextrin and starch were heavy against former contracts, with deliveries from two to three weeks behind schedule. Export and domestic demand for potato starch improved last week, and orders for sizable quantities cleaned up the output for January, which resulted in producers to restrict offers to February shipment from mills. Inquiry for tapioca flour for shipment from Brazil was reported dull. Also trading in tapioca on the spot was affected by the lower prices of competing materials.

Reports from the Argentine indicated that quotas and prices for quebracho extract would soon be announced. It was stated that application for shipment were filed last week but no export licenses were granted as yet. Mangrove bark prices for shipment were reported sharply higher last week. Advices from Africa indicated a stronger market because of the heavy purchases for India and other foreign countries. Wattle bark and extract also were in good inquiry. Primary markets were reported firm, with prices tending higher because of limited available supplies for shipment.

Scarcity of basic materials continued to hamper the booking of 1947 contracts for bichromates, and other chemicals used in the tanning and textile industries.

Tanners are concerned over the cost situation, not only of hides, but other items. Tanners Council pointed out that compared with 1940, tanning materials cost two or three times more; tannery wage levels have almost doubled; freight is up 25 to 40 percent and indirect costs, such as taxes, also are higher.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
294.5	294.5	292.2	305.5

(For Current Prices see Page 9)

Chemicals

Bichromates—Active inquiry continued for 1947 requirements. New contracts for next year have been booked at recent advanced quotations with producers operating cautiously owing to the uncertainty of getting sufficient soda ash and other basic chemicals to cover commitments. Market remains in a firm position.

Prussiates—Buying interest keen for next year's needs. Stocks were reported light and well held at current levels.

Sulphonated Oil—Trading continued restricted owing to the difficulty of obtaining castor oil and tallow. Demand was good. Prices were firm and unchanged.

Zinc Dust—Production of zinc dust amounted to 2,471 tons during September compared with 2,367 tons in August. Stocks totaled 1,783 tons at the end of September.

Dyestuffs

Annatto—Spot market was firmer, in sympathy with the higher price named for shipment from primary markets. Stocks here are light with sales reported mainly for small lots.

Cochineal—Small quantities on the spot were in firm hands. Prices were firm and reflected the scarcity on the spot and the high cost of replacements. Gray was held at 53c. and silver at 54c. per pound, spot delivery.

Madder—Demand was confined to small lots on the spot for actual needs.

Sizing Materials

Albumen, Blood—Consuming demand was active for early next year delivery. Supplies of albumen and dry soluble blood were limited as the production was absorbed against former orders. Prices were firm.

Albumen, Egg—Demand was reported dull and the market was easy under fairly large supplies. Offerings were liberal, with trading confined to limited quantities for actual needs. Prices were unchanged.

Dextrin, Corn—Steady call against contracts absorbed the production, with deliveries reported from two to three weeks behind schedules. Inquiry also was active for next year's requirements. Prices were unchanged and firm at the recent reduction of 30c. per 100 pounds.

Corn Sugar—Prices were steady at the recent decline. Deliveries were in good request on previous orders.

Egg, Yolk—Business was reported limited to actual requirements. Supplies were not heavy, but adequate to cover the spasmodic demand. Quotations were fairly steady.

Starch, Corn—Market remains steady, with the production in active request against current orders. Prices were unchanged and well held at the recent decline. Inquiry was keen for early next year's needs. Deliveries against contracts were reported from two to three weeks behind schedule. Visible corn supply increased 2,064,000 bushels for week ended December 21 to 22,191,000 bushels, against 20,127,000 bushels a year ago.

Starch, Potato—Demand was reported improved last week and took all offerings for delivery during January. Production was reported sold through January, with producers offering February at former quotations. Prices were firm and unchanged. Export business continued active and totaled a good volume for prompt shipment.

Tapioca Flour—Trading was reported moderate for spot delivery at current levels. Spot stocks were held at 6¾c. to 13c. per pound, depending on quality and quantity. Inquiry was quiet for shipment from Brazil. Prices were reported unchanged at 5½c. per pound for low types and up to 11c. per pound, f.o.b. Brazil, for the better grades. Imports totaled 11,400 bags at New York last week for delivery on previous orders.

Tanning Materials

Chestnut Extract—Consumers showed a good inquiry for early next year's requirements. Supplies were reported liberal and well held at current levels.

Gambier—Imports totaled 160 cases at New York last week from Hong Kong for delivery against former orders.

Mangrove Bark—Reports from Africa indicated a firmer market for shipment, sellers naming $65 per ton exdock, U. S. ports. Heavy buying recently for shipment to India was reported to have absorbed considerable supplies. Arrivals amounted to 1,120 bags last week for consignment on prior orders.

Myrobalans—Imports totaled 1,660 bags at New York last week for delivery against former contracts. Buying interest was reported slow and the market was more or less nominal.

Quebracho Extract—Announcement of quotas and prices for the export of quebracho extract was still awaited last week. It was believed that the Argentine government was about ready to start quoting. Applications for shipment were reported filed last week, but no export licenses were granted to date. Arrivals totaled 6,202 bags at New York last week and were delivered on previous contracts.

Tara Powder—Supplies on the spot were scarce. Inquiry for shipment was moderate. Arrivals of powdered totaled 380 bags and 1,100 bags of pods at New York were consigned against former orders.

Valonia—Market was quiet. Interest in replacements continued slow. Offerings for shipment were quite liberal. Prices were entirely nominal.

Wattle Bark—This market was firm with offers for shipment scarce. Prices at primary markets were strong and tended upward according to reports from Africa. Freight rates will be $3 per ton higher after the turn of the year. Imports of extract were reported at 2,830 bags at New York and 9,150 bags at Baltimore last week for delivery against former contracts.

For Late Market Developments, See Page 4

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Coaltar Chemicals

Holiday influences affected steel production last week and operations dropped 11.1 points to 72.8 percent. This was not as great a drop as in the holiday season last year when the decline was 20.2 percent. Consuming demand for coaltar chemicals did not show any tendency toward easement and available stocks averaged short in nearly every direction. Buying interest in benzol was active both for home and export. Reasonably prompt shipments were available but there were no excess stocks and the market was quoted firm at the late advance. No appreciable change could be noted in the situation for crude coaltar, creosote oil and cresylic acid. Stocks were short of demand and the markets were necessarily tight. The call for crude naphthalene was sustained at an exceedingly high level for the manufacture of phthalic anhydride with current shipments short of requirements. Contract accounts have taken all of the phenol available and left the market in a definitely tight condition. Toluol has tightened under the maintenance of consumer buying. Xylol just about met requirements of the lacquer and other consuming industries without leaving any excess stocks.

Dyestuffs and intermediates continued in short supply with regular consumers getting the preference on deliveries. The higher prices established for several of the basic chemicals have strengthened the intermediates and this same strength has been passed along to dyestuffs. Hydrogenated solvents held the same firm tone recently reported with shipments somewhat delayed in reaching consumer points.

Steel operations for the week beginning December 23 were scheduled at 72.8 percent of ingot capacity, compared with 83.9 percent in the preceding week, according to the American Iron and Steel Institute. A month ago, the indicated rate was 62.8 percent. The present schedule is equivalent to the production of 1,283,000 net tons of ingots and castings, compared with 1,478,600 tons for the preceding week and 1,150,300 tons for the corresponding week in 1945.

Production and supply figures given below unless otherwise designated are from the Bureau of Mines and relate to coke-oven by-products.

Basic Products

Benzol — Consuming demand for benzol appears to have expanded more rapidly than production and the supply in this section has gradually tightened. Holiday influences had a tendency to delay shipments and the market, temporarily, looked oversold. Inquiries for export have broadened with stocks insufficient to level off demand promptly.

Coaltar — Current production has been readily absorbed through regular contract channels and there is more demand than supply at the present time. The market was reported firm and tight at the close of the year.

Creosote Oil—There was no indication of any easement in the supply position last week. Producers have their output heavily sold ahead on contract and according to trade reports, there is more demand than supply at present. Wood-processing plants are calling for heavy shipments and the inquiry from railroads, utility and other consumers is said to be steadily increasing.

Cresylic Acid—This is another one of the coaltar bases where demand has overtaxed the available supply. In fact, this condition has prevailed throughout the entire year. The call from the manufacturers of tricresylphosphate and synthetic resins has been maintained at an exceedingly high level over the greater part of 1946 and at no time during this period could stocks be described as free.

Napthalene—No relaxation in the demand for crude napthalene could be noted last week. Pressure for shipments continued heavy with the manufacturers of phthalic anhydride calling for more material than can be made available. The refined grades were also in active demand and the general market closed firm and tight.

Phenol—Shipments have been confined to contract accounts and output is said to be heavily sold ahead. The steady consumption by industry has kept the open market bare of stocks and only an occasional resale lot has reached second hands. There was no indication of nearby easement in supplies at the close of the year.

Pyridin—October production of refined was placed at 7,403 gallons down 32.6 percent from the September output of 6,800 gallons. Production for ten months was 79,090 gallons. Output of crude, dry basis, was down 9 percent at 27,000 gallons in October, against 27,248 gallons in September. Output for ten months was 226,389 gallons, compared with 410,300 gallons for the corresponding period in 1945. Stocks of refined at the close of October were 4,267 gallons up 41.6 from 3,013 gallons on September 30. Stocks of crude, dry basis on October 31 were 92,752 gallons down 10.1 percent from 103,170 gallons at the close of the preceding month.

Toluol—Improvement in consuming demand was reported in producing quarters. Buying interest during the latter part of the month was sufficiently heavy to strengthen the market situation and while prompt shipments were available, stocks were tighter at the close than at the opening of the month. No price changes were recorded.

Xylol—Market not in free supply although requirements of the lacquer manufacturers have been covered on a reasonably prompt basis. Production seems to have been keyed to meet demand without leaving any excess inventories. Prices were quoted firm and unchanged.

Chicago, Dec. 27.—Interest at year end was well maintained in the market for coaltar bases. The tone of the market remained firm, and demand generally good. Benzol was active. Ruling prices exclusive of tax are:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 17c. per gallon; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 22c.; 2-degree toluol, same basis, 22c.; solvent naphtha, same bases, 22c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

No price changes were recorded at the close of the year. The overall situation was reported firm with production down on account of the stringency in some of the essential basic materials. Shipments late in the month did not come through as freely as formerly noted. Both cyclohexanol and cyclohexanone were relatively tight last week.

Coaltar Acids

Anthranilic—Shipments against contract accounts have taken production easily and have prevented any stock accumulations throughout the entire year. Increased producing costs have kept market prices firm and will result in a higher selling level in 1947.

Cleve's—Prices for this acid did not

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
130.8	130.8	128.4	127.3

(For Current Prices see Page 9)

Coke By-Products

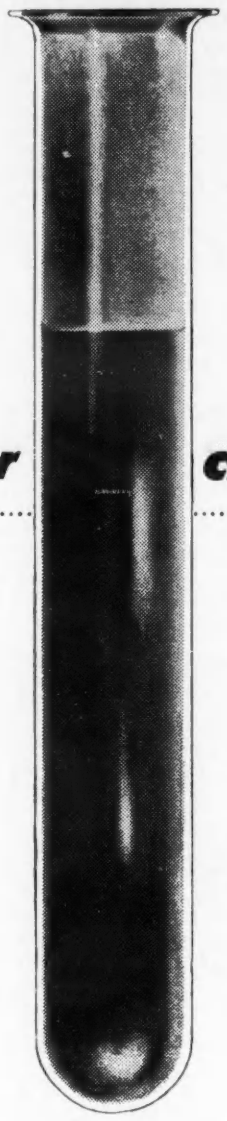
Estimates of by-product coke-oven operations in the week ended December 20 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	573,876
Ammonia sulphate	lbs.	14,860,368
Benzol	gals.	1,872,648
Coaltar	gals.	6,946,920
Creosote oil	gals.	386,611
Naphthalene, crude	lbs.	918,202
Phenol	lbs.	108,734
Toluol	gals.	374,530
Xylol	gals.	84,571

For Late Market Developments, See Page 4

KOPPERS

coal-tar chemicals



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vary during the past year. Production has been keyed to meet consuming demand without leaving any excess inventories. Quotations were 65c. and $1.00 per pound, depending upon the grade desired.

Fumaric—This market has felt the impact of a heavy demand throughout the past year. Pressure for shipments to the synthetic resin industry has overtaxed output and kept the supply situation definitely tight.

Gamma—Prices of this acid were unchanged until November, when the selling level was advanced sufficiently to cover the accrued costs of manufacture. Suppliers named 97c. a pound for contracts at the end of the year.

Laurant's—Production over the year was never sufficient to place the market in free supply. The increased cost of manufacture was reflected in an advance in quotations late in the year and the market closed firm at 63c. a pound.

Maleic—Continued firm and tight throughout 1946. Pressure for use in synthetic resins and protective coatings was exceedingly heavy and resulted in short stocks throughout the entire year.

Malic—Stocks were never sufficient to place the market in free supply during the past year. Prices followed an even course with the general undertone firm.

Picric—Relaxation of demand for military use had no weakening influence upon prices. Cutback production and increased costs were responsible for a firmer market late in the year. The closing price for U.S.P. was 40c. per pound.

Other Intermediates

Anilin — Buying interest was reported active at the close of the year with production moving steadily into miscellaneous consuming channels. Domestic requirements were covered on a fairly prompt basis with stocks short to meet a rather broad export inquiry. Prices remained firm but unchanged.

Dinitrobenzene — Closed the year firm and in active demand. Crude was held at 16c. a pound and purified at 17¼c. a pound.

Dinitrochlorobenzene — Firm and scarce with producers experiencing a higher market for benzol and a shortage of chlorine. The lowest price heard for tankcars was 13¼c. a pound f.o.b works.

Dinitrotoluene — Basic material was somewhat tighter at the close of the year but producers' prices were unchanged. The oil was quoted at 5c. per pound and refined at 18c. per pound.

Orthonitrotoluene—Prices were sustained at an even level over 1946. Carlots were held at 8c. per pound and smaller quantities up to 9c. depending upon quantity involved.

Phthalic Anhydride — Consuming demand has kept ahead of production capacity throughout the entire year. The most important buying interest has emanated from the synthetic resin manufacturers and industries affiliated with enamel type finishes. Back of this was the automobile factories and other producers where enamels are essential. Stocks were definitely short at the close of the year with the market firm.

Schaeffer's Salt—Firm at the recent advance with no appreciable improvement in the supply situation.

Tolidine Base — Suppliers named $1.00 per pound which is fully up to the advanced level recently established. Stocks remained short.

Coaltar Colors

Heavy demand for nylon and rayon has been reflected in the call for various kinds of dyes, although the acetate group appears to have proved most popular for nylon, particularly for hosiery. Exporters have found stocks short because the domestic demand has not been leveled off and the amount of resale material has necessarily been restricted. Premium prices have been paid to secure available stocks and it is admitted that only a small proportion of foreign inquiries has been satisfied. The Chemical Division of the Tariff Commission placed September production of C. I. 1114 anthraquinone vat blue BCS 20 percent at 182,774 pounds, compared with a high of 234,561 pounds established in April. Output of F.P. 302 Naphthol A S was 90,813 pounds in September against a high of 122,959 pounds registered in the month of March.

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German Aluminum Industry Studied

Outstanding developments in the German aluminum industry include continuous casting methods and the manufacture of "silumin," an aluminum-silicon alloy made from clay, according to a report on sale by the Office of Technical Services, Department of Commerce.

The report ("Technology of Aluminum and Aluminum Alloy Production in Germany, Including Early Fabrication and Recoveries from Scrap"; PB-31593; photostat, $9; microfilm, $3; 135 pages) was prepared by Allan Cunningham, consulting engineer, Washington, D. C., for the Field Information Agency, Technical, U. S. Army. Mr. Cunningham studied 23 aluminum plants and research laboratories in Germany in the Fall of 1945.

Several continuous casting techniques have been developed in Germany during the past 20 years. The advantages of the technique are lower labor and equipment costs, reduced foundry losses resulting from trimmings, elimination of imperfect castings, and a reduction in the number of processes required to fabricate the metal.

"Silumin" is the trade name for aluminum and silicon alloys produced directly from kaolin by an electrothermal process. The process had been used in Germany since 1922, but was never developed into a large tonnage operation, according to the report. The process and the product do not excel similar developments in the United States.

During the war the Germans had to use much poorer bauxite than formerly. The reclamation of scrap metals accounted for one-fourth of German aluminum production.

Orders for the report should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order payable to the Treasurer of the United States.

Labor Relations

—Continued from page 7

consulted. If after the grievance was processed through the grievance machinery of the agreement and was not settled by the company and the union, even then the company still could not fire the employee, but had to submit the dispute to arbitration and await the decision of the arbitrator. If the arbitrator agreed with the company that the discharge was for "just cause," then and only then, argued the union, could the company discharge the employee.

The second basis of the union's case was directed to the merits of the discharge. Here, the union argued, among other things, that it was a general practice in the drug industry for salesmen to sell drugstores and accept commissions. The complainant did nothing more than all other salesmen in the industry, including some of the company's own salesmen did. It, therefore, insisted that there was no "just cause" for the discharge.

Unilateral Discharging Upheld

This arbitrator completely disagreed with the union on the first phase of the case. As he pointed out in his opinion and findings:—

He must take full notice of the fact that the common, well-recognized practice in labor relations concerning employer right of disciplinary action is completely contrary to the one which, under the union's theory, would obtain here. It is indeed the rare and unusual collective bargaining which bars ex-parte disciplinary action by an employer and requires prior union consent or an arbitration award before the employer may effect the discharge of his employee. The usual procedure is for the employer, if he deems the employee's actions warranting it, to discharge the employee, subject to the right of the employee to file a grievance, have it processed by his union through the various steps of the grievance machinery, up to and including arbitration, and if the arbitrator agrees with the union, to anticipate that the award will direct reinstatement and appropriate reimbursement for loss of earnings.

This arbitrator then went on to point out that:—

Of course, the fact that most collective bargaining agreements and their grievance machinery recognize the right of unilateral disciplinary action by an employer without the necessity of prior approval by the union or by arbitration award is not the test here. The parties could have, if they mutually wished it, varied their procedure and adopted the one here advanced by the union. And if they did so here, then precedent or established industrial relations practice or for that matter, the arbitrator's own personal opinions and belief in the matter, even if they were to be in accord with the union's would be entirely irrevelant to the case.

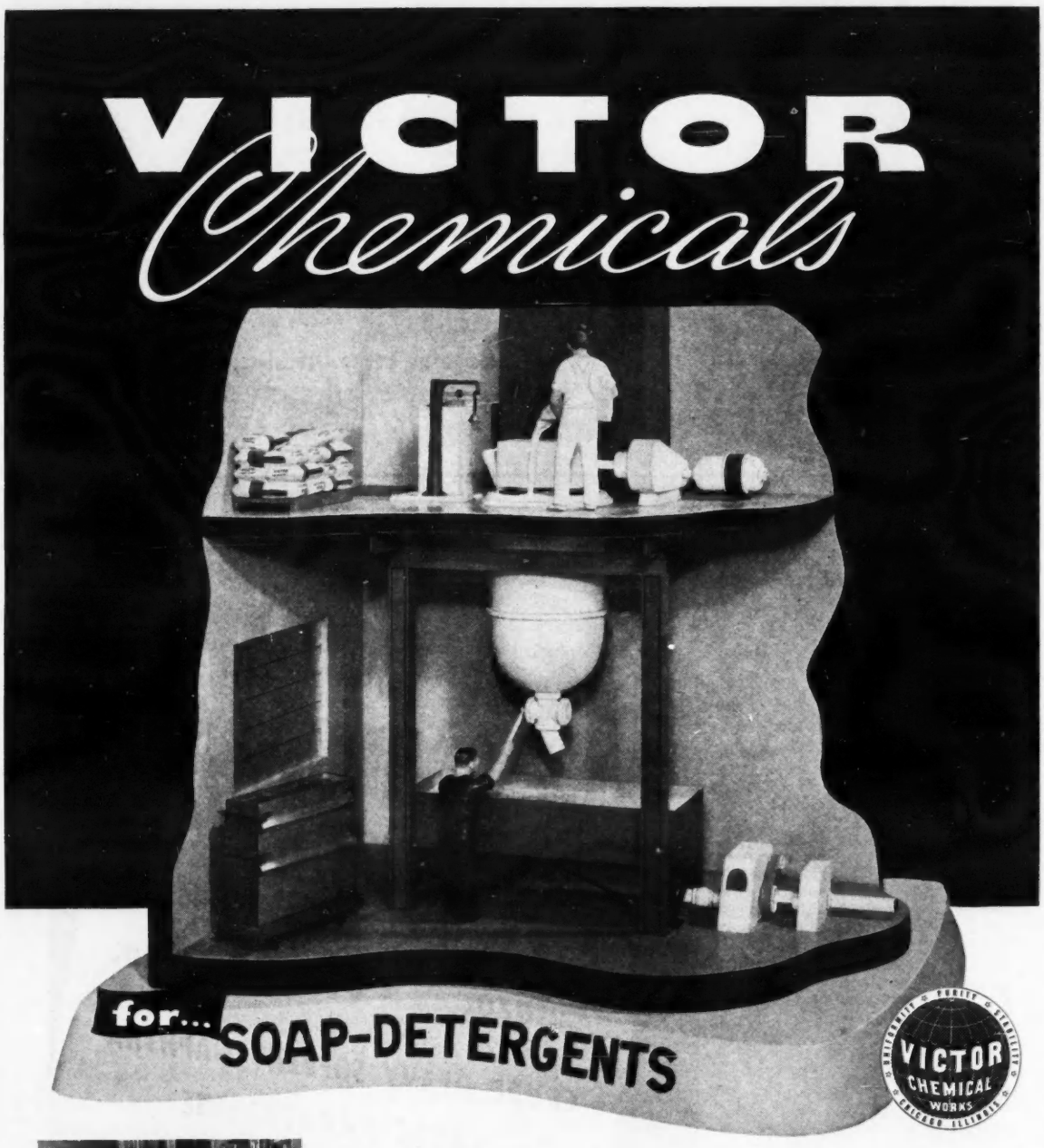
He then turned to the union agreement itself and asked the question:—"Does it call for bilateral disciplinary action so that in the absence of union concurrence, such disciplinary action must be deferred and its actual consummation await an arbitrator's award?" He answered the question in the negative. To his view, the "Management Clause" of the agreement called for this conclusion. He found that the "Management Function" clause includes the right of ex-parte employee discipline. Nor is this right of the company to take unilateral discharge action denied or impinged upon by the "Grievance" clause of the agreement, as contended for by the union. All that this grievance section does "is to lay down a condition subsequent to the company's right of discipline whereby the disciplined employee may challenge and test the propriety of the disciplinary action up to and through arbitration....The company takes the disciplinary action and the union, if dissatisfied, tests it up to and including arbitration, if necessary."

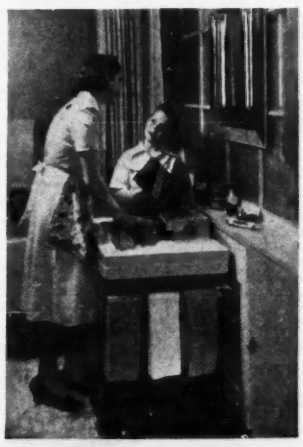
This arbitrator, accordingly, ruled in favor of the company on this first issue of the case, holding that under the "Management Function" clause of the agreement, the company had the full right to take unilateral discharge action against an employer.

Policy Must Be Known

Turning next to the merits of the case, this arbitrator could not agree with the company. As he points out in his opinion, he will assume for the purposes of the case that acceptance of a brokerage commission by a salesman is inimical to the best interests of the company, an assumption, the correctness of which the union sharply challenged. We must likewise assume, and the evidence fully warranted the assumption, that the complainant, if he did not have reason to believe that the company permitted its salesmen to accept brokerage, certainly did not know of any company policy prohibiting acceptance of commission. In the absence of such knowledge, was then the company justified in discharging the complainant?

The arbitrator felt that the answer must be in the negative. He distinguishes between a discharge based on an act which is wrongful *per se*. An extreme example would be stealing. Here company policy can be assumed and with it full knowledge of such policy on the part of the employee. Actual notice would then be unnecessary; it would be implied. However, where the act is not wrongful *per se* but is made wrongful by company policy, as in the case of salesmen accepting brokerage commission, the duty must be placed upon the company to give notice to its employees of such policy. This was particularly essential in the instant case where, by a great preponderance of evidence, it appears that if there was no contrary practice established in the industry, there most certainly was absent any actual knowledge by the complainant that if he accepted a commission he would be fired. And so in sustaining the company in its right of unilateral discharge of an employee without prior union consent or an arbitration award, this arbitrator could not agree as to the merits of the particular discharge.





Difficulties encountered in washing with hard water have prompted the widespread use of special water-softening and soap building chemicals. Soaps containing Victor tetrasodium pyrophosphate, for example, yield more suds and a cleaner, sweeter smelling wash. The pyrophosphate sequesters magnesium and prevents the formation of magnesium soaps, while simultaneously peptizing the curds of calcium soaps so they do not become enmeshed in the fabric. It also has a marked solvent action on organic materials such as gums and waxes, and loosens and disperses solid particles of dirt. • Other Victor chemicals used in the manufacture of soap and detergents include: **Sodium Tripolyphosphate** (cleaning compounds and bar soaps), **Tetrapotassium Pyrophosphate** (liquid soaps and washing compounds), **Tripotassium Phosphate** (liquid soaps), **Trisodium Phosphate** (cleaning compounds), **Wetting Agents** (cleaners and synthetic detergents).

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Agricultural Chemicals

Inventories of agricultural chemicals and fertilizer materials averaged short at the close of the year with the tone of the overall market definitely firm. Department of Agriculture stated that although the supply of fertilizer for American agriculture for the current fiscal year is near record levels, and is more than double the prewar consumption, the demand is considerably in excess of supply, especially with respect to nitrogeous materials. The supply of nitrogen for American agriculture for the current fiscal year is expected to be almost as large as last year—nearly 700,000 tons—and the supply of solid forms of nitrogen will be equal to last year except for the loss in production of synthetic nitrate of soda, which is due to short supplies of soda ash for this purpose. There will be some regional variations in the usual pattern of distribution due to new plant capacity and the strong demand from new areas of fertilizer use.

Programmed exports for the year now are only 67,000 tons of nitrogen, reduced a month ago from 97,000 tons. Such exports for last year were 73,000 tons of nitrogen. The United States will still import three times as much nitrogen as it will export during the year. The maritime strike cut off imports of Chilean nitrate for several weeks, and currently port strikes in Chile make imports impossible, but the Chilean nitrate import goal for the current fiscal year is expected to be met. The U. S supply of nitrogen, which includes domestic production and imports, during the first four months of the current fiscal year—July, August, September, and October—was 250,700 tons of nitrogen compared with 229,000 tons in the same four months of the past fiscal year. During the first four months of this year, 32,200 tons of nitrogen were exported. This includes the nitrogen in the form of ammonium nitrate loaned to the army for shipment to U. S. occupied zones for food production essential to orderly government and prevention of disease and unrest.

Nitrogenates

Ammonia Nitrate—Short of demand in the East. Inquiry active with new business restricted on account of current scarcity of stocks. Supply program for 1946-47 shows production of 159,500 tons and imports of 38,000 tons.

Ammonia Sulphate—Recent loss of production has tightened the market and shipments are reported running behind schedule. Demand from mixers steadily increasing.

Bone Meal—Buying interest active for feeding requirements. Offerings not free and easily absorbed at full prices. Arrivals of 4,200 bags from South America noted last week.

Castor Pomace—Remained quiet throughout the past week. Production moving against contract accounts at present.

Dried Blood—Trading relatively quiet. Some sales reported at former prices and undertone of the market remained firm all week.

Hoof Meal—Somewhat firmer with bids of $8.50 per unit-ton failing to bring out any stock. Sellers were not inclined to sell below the $9 limit.

Soda Nitrate—Closed the year in a tight supply condition with demand steadily mounting for agricultural use. Market firm with shipments behind schedule.

Spain will receive increased quantities of nitrate from Chile, according to the foreign press. The Chilean export quota will be raised to 120,000 metric tons, double that of 1945, it is stated.

Tankage—Demand sufficient to take any offerings at former price levels. Buying interest appeared to be increasing from feeders at the close of the week.

Phosphates

Phosphate Rock—Acidulators are taking all the material available and could use more. The current shortage of boxcars has delayed shipments and increased the pressure for deliveries from supply points. Price tendency definitely firm at the year end.

The arrival in Australia and New Zealand of the first shipments of phosphate rock from Nauru and Ocean Island in more than four years reflects the progress being made in reconstruction of equipment and facilities, according to the foreign press.

Superphosphate—According to trade reports, contract renewals will be in order in several instances early in January. No price announcements were given out last week. Higher producing costs have lent a firm tone to the market with demand in excess of current production.

The first superphosphate plant in Usbekistan, U.S.S.R., and that republic's initial chemical enterprise under the present Five Year Plan, has begun operations, according to the Soviet press. It is at Kokand in the Ferghana Valley, Central Asia's chief cotton-growing district, and has begun to supply fertilizers to cotton areas which previously received superphosphates from long distances.

Potashes

Demand was active at the close of the year. Producers have maintained capacity and material has moved against allocated orders as rapidly as transportation facilities would permit. The extent of inquiry has exceeded output and the market position is necessarily tight.

Potash production in the British zone in Germany during the first seven months of 1946 is placed at 120,000 tons.

Insecticides

Closing of the calendar year has left the insecticide market in a firm position with the outlook confused for several of the important items. Possibilities favor advanced prices in some of the materials based upon arsenic and metals. Uncertainty regarding transportation, containers and the availability of raw materials suggests the importance of placing contracts at an early date.

Department of Agriculture purchased 15,000 pounds of nicotine sulphate 40 percent in tins at 89c. per pound f.o.b. Richmond. Va.

It is reported that a helicopter has been purchased by the National Cranberry Association for insect control, fertilizer distribution and forest prevention in cranberry bogs of association members in Massachusetts, New Jersey, Wisconsin, Oregon and Washington. The plane, one of the first sold for commercial use, is scheduled for delivery next Spring.

Advices from Bogota state that Colombia is preparing against a threatened invasion of locusts from Ecuador, where the insects are creating havoc with crops. A plane may be sent to the United States for the necessary insecticide. The air force will cooperate in the campaign if the insects cross the border.

Sulphur and Pyrites

Inquiry for sulphur has been maintained at full seasonal dimensions throughout the past month. Stocks at the beginning of the year are fully adequate to meet requirements and the only problem facing the market is the uncertainty surrounding transportation. So far, the movement has not been seriously interrupted by the shortage of boxcars but it is admitted that the present outlook is none too favorable. Many of the large consumers have their own stockpiles which are sufficient to carry them over any temporary emergency. Export demand has continued heavy. Shipments of pyrites have been channeled to regular consumers. Prices were unchanged.

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Hoof meal, 50c. per unit-ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
72.1	72.1	72.1	71.8

(For Current Prices see Page 9)

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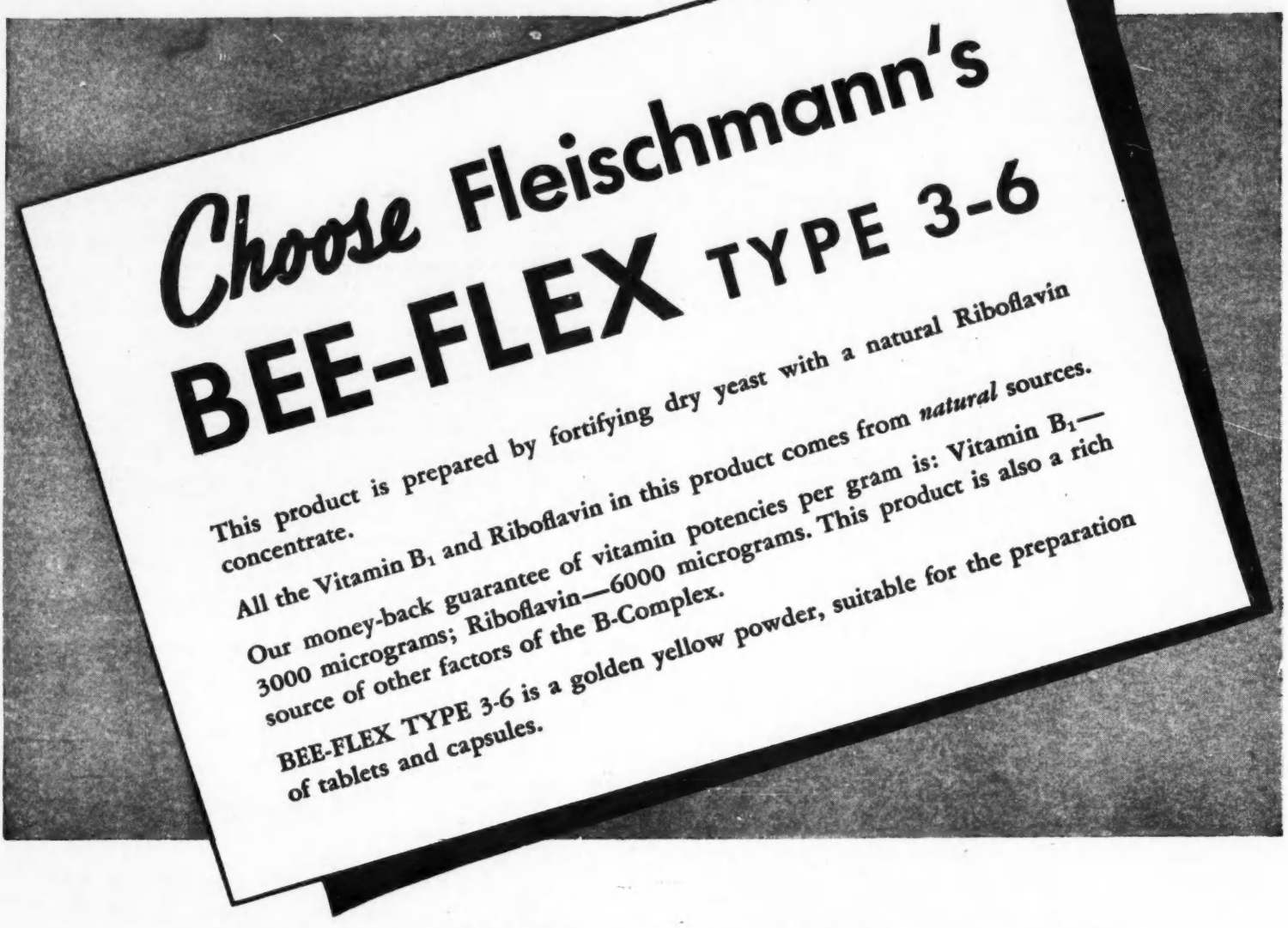
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Winter and the last full business week of 1946 arrived together last week. Winter had seemed fair to arrive in strength but the gods of the weather ruled otherwise; they tempered the cold and melted away the slight covering of snow accumulated over the week end. Business went through a week of deceptive ease. Demand was light to nil and shipments fell off. But just over the boundary separating the old and new years, demand in large volume awaited the release of activity certain to come when 1947 unlocks demand from its present confinement. Prices of a rugged, strong constitution were developing even as quietude reigned over sales, and a look ahead suggests that price movements upward will occupy most of the trade-road early in 1947.

Prices in a display of rugged strength advanced the values on hydriodic acid, lecithin, calcined magnesia, and potash bicarbonate. The sole decline came in natural menthol, a movement that merely extended the clearly defined trend of its prices in the past several weeks. Formaldehyde without inhibition and also the product declared to be inhibited by methanol became subject to a price range in place of a former common practice of identic pricing. Common pricing of methanol had gone by the board and minimum prices of producers were separated by 1c. the gallon in tankcars. Mercurials took a firmer hold on the schedule of prices, a reflection of sharp advances in the quotations on cartel quicksilver offered from Europe.

Thus, though demand was on a holiday, it was gathering strength which was likely to be assisted to maturity by the arrival of 1947. And prices moved upward regardless of the holiday period and continued to develop a vigor likely to make the climbing of the price ladder easy after the turn of the year.

Acetaldehyde—Reports current here last week was that some prices have been advanced 1c. per pound, making tanks 9c.; drums, carlots, 12c.; less carlots, 15c. Other quarters declared the intention of holding quotations unchanged at 8c. per pound in tanks; drums, carlots, 11c.; less carlots, 14c.

Acetanilide—Holding firm. Little prompt delivery business on new orders was done during the past week but the outlook for trade requirements during 1947 was said to be bright, and it is believed that production will be well engaged.

Acetone—Consumption in 1947 is expected to take up practically all of the productive capacity of the country. Few producers have been inclined to entertain the large export trade offered here from foreign parts but reports to the effect that some stuff has been sold at 18c. per pound for export account continued to be current locally last week.

Acetophenetidin—Quotations were retained unchanged last week nor was anything suggested to be in the making so far as prices were concerned. The market was definitely firm.

Acid, Acetylsalicylic—Business was expected to be brisk after the turn of the year. Higher prices will then be in effect but the need is expected to hold large and the rise in values is unlikely to deter buying operations of most purchasers.

Acid, Ascorbic—It has been a good year in this article and prospects for sales in 1947 were said to have their encouraging aspects. The market has been well stabilized in price for some time past and no notice of a change in that aspect of affairs has been given.

Acid, Benzoic—Raw material appears to be reaching the producers in satisfactory volume and deliveries against the excellent business expected in 1947 are to be on reasonably prompt basis. Prices closed the year in very firm position.

Acid, Boric—One large producer is carrying 1946 prices over into the contract business for 1947. Others have raised prices. The future of the market remains to be developed. The price schedules in hand show a substantial difference between sellers quotes.

Acid, Camphoric—Now that natural camphor is arriving here from the Far East, it may be that former makers will reinstitute quotations on this article. On the other hand, there is reason to expect that some may drop the material as a not profitable item.

Acid, Citric—The market ended the year as it began—20c. per pound for U.S.P. crystals in carlot quantities. It ended a year in which deliveries rose and during which firm undertones prevailed. These conditions bid fair at this time to carryover into 1947. The future of events will depend much on the availability and cost of beet sugar molasses.

Acid, Hydriodic—Because of the higher cost of crude iodine, quotations on this acid has risen to $2.52 to $2.54 per pound for the 45-47 percent, and to $2.83 to $2.85 for 57 percent.

Acid, Hydrobromic—Bromine was said to be strengthening and some sellers are talking about higher prices for 1947. A shift in bromine quotation would likely be reflected on prices for this acid.

Agar—Not much Japanese agar remains unsold on spot regardless of what prices might be asked. More is coming to the open market and it is thought that exports will become more regular now that trade with the primary market has been reestablished.

Alcohol—The market closes 1946 in strong position. Production does not equal consumption and the difference between the two elements is made up by withdrawals from the government stockpile of material. That stockpile was very large at the close of the war and it has decreased considerably over the past year. Production costs hold strong. The sole factor likely to ease values at an early date is the Federal excise, which will probably decrease when Washington declares the formal end of the war emergency.

Aloin—Although trading was light in the closing week of the year, some fair business was in prospect for early 1947 delivery. The price structure appeared to be generally stable.

Ammonia Bromide—Reports to the effect that an advance in prices would be made by one producer were current last week. Other producers gave notice of their intentions regarding sales prices on 1947 business.

Ammonia Citrate—Trade in this article closed the year in very fair volume. The undertone likely to prevail in 1947 was said to be one of considerable strength and prices were expected to be at least well maintained.

Amyl Acetate—The market for 1947 was likely to be strong, active, and probably not fully supplied to meet the demand apt to prevail at least for the first part of the year. Stocks at the end of 1946 will be at low ebb and production early in the new year will find many anxious buyers.

Argols—Foreign market prices show considerable stability and importers here fail to find events turning further to their price advantage. Resumption of major production of wines in Europe should mean an adequate supply of argols, but it is understood that fertilizer for vineyards is hard to come by.

Bismuth Metal and Salts—It was a year of advancing prices in metal but prices for salts did not reflect the rise in production costs until well toward the end of the twelvemonth. Supplies of metal will not be overly abundant in the first part of the new year and, hence, prices for both metal and salts are expected to hold strong.

Brucine—Carryover stocks at the end of the year were comparatively small and showed a cost that eliminated any tendency toward easing of prices because of inventory consid-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Acid, hydriodic, 10c. per lb.
Lecithin, 10c. per lb.
Magnesia, calcined, 33c. per lb.
Potash, bicarbonate, U.S.P., 3c. per lb.

Prices Reduced

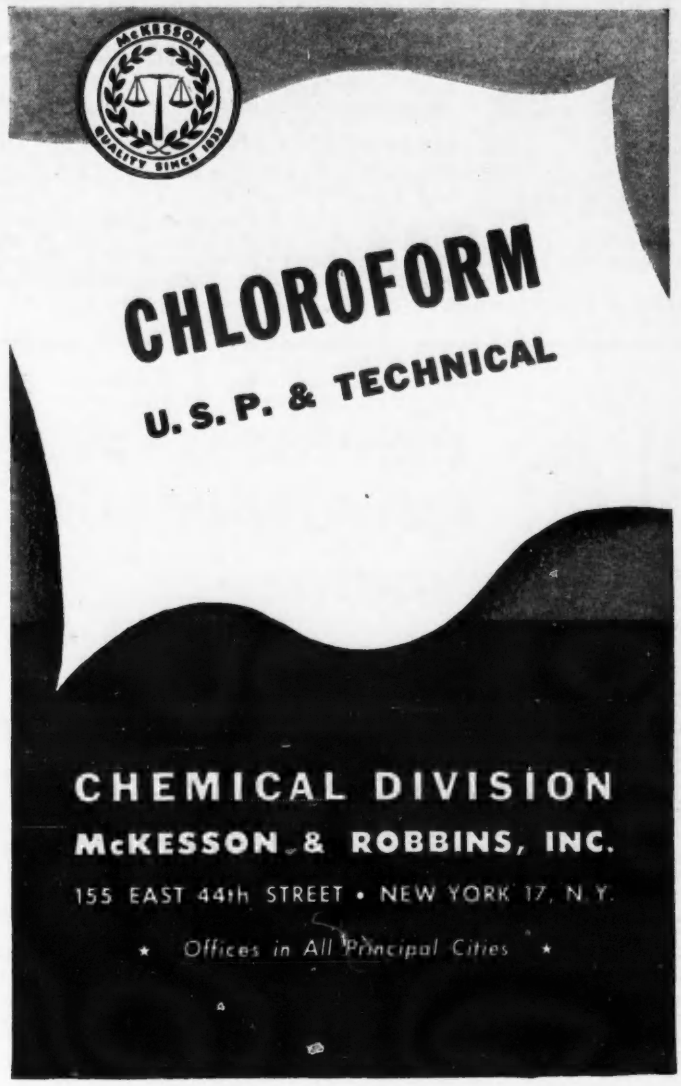
Menthol, 20c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
248.6	249.2	249.4	207.4

(For Current Prices see Page 9)



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erations. A very firm market was expected to extend well into 1947.

Cadmium Bromide — Market talk late in the year was that one producer was considering an advance in quotations. Considering what has happened to cadmium prices, such a movement in bromide values would not surprise.

Calcium Gluconate—The market was expected to open the new year in very firm position with prices reflecting the strength that occasioned the advance in values during the previous week.

Castor Oil—Producers in this country are going to find it difficult to keep up with consumption in the months ahead. Ability to get beans shipped from the source is far from what it should be. Demand for oil is and is likely to remain very high in volume. Even high prices for beans at the source—and importers are not convinced that the advance has run its course—is not producing enough beans to meet the needs of domestic crushers. Consumers are expected to continue the importation of oil direct from the source and Brazil is seeking to increase such business.

Arrivals of castor beans last week totaled 27,706 bags for a weight of 4,155,900 pounds. This brought the total of arrivals since January 1 to 1,271,916 bags, or a weight of 190,787,400 pounds and that total compares with 1,293,360 bags, or 194,004,000 pounds arrived in the corresponding period of 1945.

Chloroform—Holding firm although not very active in the last week of the year. Prices were well maintained and the prospect was for firmness after the turn of the year.

Codliver Oil—Prices terminated the year in firm position based on limited stocks on spot and excellence of demand. An arrival of 69 drums and 7 barrels from Copenhagen was reported.

Ephedrine—Demand has been seasonally active in a market of firm prices and little competition. Indications were favorable for good trade after the turn of the year.

Formaldehyde—A producer of this article has announced prices for 1947 as follows:—Inhibited, tanks, 4.2c. per pound, at the works, freight equalized with production point, excluding Tallant, Okla.; drums or barrels extra, carlots, 6c.; less carlots, 6.5c. Prices on uninhibited material are 2/10c. less per pound across the board.

Glycerin—Prices ended the year in a spread the widest that most veterans in the trade can recall. Demand for 1947 deliveries ran high and was expected to continue at high volume. Prices were strong and the outlook for future strength was strong. On the whole, consumer prospects for the new year were none too encouraging when it came to either prices or goods. During the past week, 307 drums of glycerin arrived here from Montevideo, Uruguay.

Glycerophosphates—The new prices recently established by the producers ended the year in strong position and strength was expected to extend into the new year in view of probable demand and the certain high cost of glycerin, alcohol, and alkalis.

Magnesia, Calcined — Prices have been advanced rather sharply to the basis of 33c. per pound for both U.S.P. and technical material. The rise reflects higher production cost of the articles now.

Menthol—Prices have been reduced to $7.20 to $7.55 per pound under the influence of growing competition between sellers.

Mercurials—In view of the fact that reconstitution of the European cartel forecasts higher prices on quicksilver exported from Spain and Italy, it seems likely that the current schedule on quicksilver derivatives will be retained at least until such time as the price position on metal may be more clearly defined.

Methanol—The price for synthetic material remains at 23c. per pound in tanks with one producer while in another, 25c. is minimum at the works. The basis for the two quotations differs some but there is a definite difference of 1c. between minimum prices.

Potash Bromide—Talk about a coming advance in prices was noted but some quarters stated that no action to that end had yet been taken.

Quicksilver—London quoted at £20 6d per flask—about $100 duty paid here—and the spot market tends to become much firmer. Reports said that cartel prices mean a landed, duty paid cost of about $100 per flask on Italian and Spanish quicksilver. At the moment, the spot market shows no change while sellers size up the foreign situation and await its complete clarification. So far as known, an exclusive agent of the cartel for sales in the United States has not yet been appointed but such an appointment would appear to be indicated.

San Francisco, Dec. 24.—The quicksilver market here this week continued steady, with little metal offered. Pacific coast producers were quoting metal between $87 and $90 per flask, f.o.b. this city.

Quinine—Numerous offerings of cinchona bark are reaching this market

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but they come from traders in Central America for the most part. It should be kept in mind that distribution of both cinchona bark and quinine salts are under government control by allocation. Talk of controls being removed has been heard but remains without official competition now.

Saccharin—One of the main suppliers of this article has stated that no early increase in prices is contemplated and that production is expected to be sufficient to meet all normal requirements on a current basis in the early part of 1947. The backlog of demand is being reduced.

Soda Bromide—Reports suggest that at least one producer is thinking of advancing prices on bromides. Others indicate that at the moment no decision to change prices has been reached.

Givaudan-Delawanna Holds Sales Meeting

The annual sales meeting of Givaudan-Delawanna Inc., aromatic chemical manufacturer, New York, was attended by the full staff of sales representatives for the first time since the war, and laid the groundwork for the swiftest possible return to normal peacetime conditions in the aromatics industry, according to Ralph M. Stevenson, sales manager.

The meeting was attended by Andre Givaudan, who had come from Switzerland for a short business trip.

Stevens Technology Inst. Gets German War Plant

A complete German manufacturing plant used for the production of hard-nosed projectiles during the war will be installed in a special building in Stevens Institute of Technology for research purposes.

The plant, used by the Germans in the manufacture of hard cemented carbides, will form the basis of a Navy-sponsored research program on high temperature alloys which have become important in the development of jet-propelled airplanes and rockets, it was explained by George J. Comstock, professor of powdered metallurgy and director of research at the Stevens powder metallurgy laboratory.

Monsanto Building $3,000,000 Plant

Construction of a $3,000,000 plant in Monsanto, Ill., to expand the production of synthetic detergents has been announced by Monsanto Chemical Company, St. Louis. The company said the plant, a one-story, concrete building already under construction, would be in operation in 1947.

The Monsanto plant at Nitro, W. Va., is being enlarged to increase further the production of the synthetic detergents which are sold under the name 'Santomerse.'

Aitchison Heads ICC

OPD Washington Bureau

Clyde B. Aitchison, has been elected chairman of the Interstate Commerce Commission for 1947. He succeeds George M. Bernard, whose term as chairman expires December 31. Mr. Aitchison has been a member of the commission since 1917.

Steel Shipping Barrels Output Up in October

Production of steel shipping barrels, drums and pails during October increased slightly, with the industry producing 2,353,875 heavy-type barrels and drums, 819,326 light-type barrels and drums, and 5,707,304 steel packages, kegs and pails, according to a report by the Bureau of the Census. This compared with the production of 2,038,722 heavy-type barrels and drums, 739,237 light-type barrels and drums, and 5,707,304 steel packages, kegs and pails in September.

Trade Briefs

Oro Chemical Company, Los Angeles, plans construction of a new plant in that city.

Parfums Corday, New York, has appointed Cyril D. Wagner director of sales and assistant to the president.

Mida C. Adams Conaghan, formerly with Harriet Hubbard Ayer, New York, has been appointed department manager of cosmetics for Lane Bryant.

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Du Pont Official Staff Reorganized

Irenee du Pont, former president, and H. G. Haskell, former vice-president, of E. I. du Pont de Nemours & Co., have resigned from the finance committee of the company, and J. Thompson Brown resigned from the company's executive committee and from his position as a vice-president. All three resignations were announced following the regular monthly meeting of the board of directors. All three remain on the board.

At the same time it was announced that the two vacancies on the finance committee will be filled by Mr. Brown and Elwyn Evans, president of the Wilmington Trust Company, and a du Pont director. Mr. Brown's place on the executive committee will be occupied by Charles A. Cary, assistant general manager of the company's rayon department. Mr. Cary was elected to membership on the board of directors, increasing its membership to thirty-seven, and was also made a vice-president.

The designation of Mr. Evans as a member of the finance committee rendered him ineligible to continue as chairman of the company's committee on audit, and Jasper E. Crane, until his retirement earlier this year, a vice-president and member of the executive committee, was chosen by the board to serve as chairman of the committee on audit.

The board also announced that Lammot du Pont Copeland has been naméd as assistant secretary of the company. Mr. Copeland is transferred from the Development Department to the Secretary's Office, effective December 16. All other changes are effective as of December 31.

Chesebrough Shifts Executive Staff

The Chesebrough Manufacturing Company, New York, has elected Basil L. Emery, vice-president in charge of domestic and foreign sales and advertising and Frank McGroarty, secretary. The company also reported the appointments of Edwin F. Weigand to domestic sales manager; Allison B. Hart to manager of the foreign department and Albert B. Richardson to advertising manager.

Six new executive appointments have been made at the Perth Amboy plant. They are—Hans J. Miller to general superintendent; James S. Holton to superintendent of packaging and shipping division; Carl S. Pennington to chief engineer; Matthew J. Farnen to chief accountant; George Hawley, Jr., to superintendent of refining division, and Martin Ganzler, Jr., as director of plant research.

Alex K. Jensen, former Chesebrough export manager, has been granted a leave of absence because of illness. He will continue as a director of the company. Richard M. Mack, former superintendent of Perth Amboy plant also will take a leave of absence until June 30, 1947, at which time his retirement will become effective.

Monsanto Floats $30,000,000 Loan

Monsanto Chemical Company, St. Louis, has placed privately with a group of five insurance companies, at par, an issue of $30,000,000 of 2.65 percent debentures, maturing in twenty-five years.

The company will use $10,000,000 of the proceeds for the purchase of a styrene plant and other chemical facilities erected by the firm for the government at Texas City, Tex. The balance will be used to finance expansion in other fields.

A sinking fund to retire half the total loan by maturity will begin operating in ten years.

San Antonio Drug Names Wade Sales Manager

G. Clifford Wade, general purchasing agent for Grove Laboratories, St. Louis, has been appointed sales and merchandise manager for the San Antonio Drug Company, San Antonio, Tex., effective January 1.

He was given a farewell party at the De Soto hotel, St. Louis, December 28 which was sponsored by the Drug, Chemical and Allied Trades Association of St. Louis.

J. Hyman & Co. Adds Two Entomologists

Dr. C. C. Compton and W. E. McCauley have become associated with Julius Hyman & Co., Denver, as entomologists. Dr. Compton formerly was associated with the Illinois State Natural History Survey, and more recently was with the Velsicol Corporation, Chicago, as was Mr. McCauley.

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Eastman 'Kodachrome' Denied Fair Trade

The Federal Circuit Court of Appeals, New York, has denied fair trade to 'Kodachrome' and film in magazines, both manufactured by the Eastman Kodak Company, upon the ground that those commodities are not "in free and open competition with commodities of the same general class." The court has affirmed an order of the Federal Trade Commission, which had found as a fact that 'Kodachrome' and "magazine in film" were not in free and open competition with like commodities.

The American Fair Trade Council filed a brief as a friend of the court in the Eastman appeal, contending in the main that the statutes to be construed were state statutes; that the commission was therefore bound by the decisions of the state courts; and that under the decisions of the state courts products such as those involved in the Eastman case have been given protection by the state courts. None of these contentions was considered by the court, however, for the reason that Eastman elected not to argue for them.

Hooker Establishes Retirement Program

The Hooker Electrochemical Company has inaugurated an employee's contributory retirement program, effective as of October 1, 1946. The program provides for retirement income for life based on both past and future service. The cost of benefits based on future service is defrayed by contributions of both the employees and the company, the company paying about four-fifths of the total cost. In addition, the company will bear the entire cost of past service benefits to which long service employees would have contributed had the program been in effect since the company was founded forty years ago.

The program is designed to provide benefits which, together with Social Security benefits, will approximate 50 percent of the average earnings for employees who retire at their normal retirement date after twenty-five or thirty years of service.

Argentine Imports Need Original Bill of Lading

Argentinian importers will not be able to clear goods through customs, as of January 6, without the original bill of lading, legalized commercial invoice in duplicate (duplicate to be stamped "Para Estadistica") and legalized consular invoices in duplicate, according to information recently forwarded to Bank of the Manhattan Company, New York. If the bill of lading is not presented to the customs within eight days of the steamer's arrival, the importer will be subject to a 2 percent fine.

The new regulation abolishes the practice of allowing storage of goods at customs without documents, granting a six-month period for presentation of documents and releasing goods without documents under a bank guarantee.

Michigan Chemical Moves New York Office

The New York office of Michigan Chemical Company, St. Louis, Mich., has been moved to larger quarters in the Grand Terminal building, 230 Park avenue. The telephone number is MUrray Hill 6-8800. H. vH. Proskey, director of sales and advertising, and Phil LeBue, director of chemical sales, will continue to make their headquarters at the New York office.

S.&S. Chemical Names Eastern Sales Manager

S. & S. Chemical Company, Newark, N. J., has appointed Dominick Don Fernicola sales manager for the Eastern territory. Added to the sales staff are Gordon Hewlett, R. H. Widick, Leslie Bellows, M. L. McHugh and George A. A. Vadney.

Trade Briefs

John H. Sennott has been appointed comptroller of Southland Frozen Foods, Inc.

Ciba Pharmaceutical Products, Inc., Summit, N. J., is mailing to all physicians a medical slide rule of vest pocket size which is designed to aid in converting apothecary to metric units.

G. S. Ziegler & Co., New York, has announced the appointment of Harry A. Baumstark & Co., 4030 Chouteau Avenue, St. Louis, Mo., as representative in the St. Louis territory.

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BEEF EXTRACT—775 cs, Armour & Co, Montevideo
BEES WAX—100 bgs, L Lizzatto, Izmir
BENZOIN GUM—19 bdls, J Berlage & Co, Singapore—19 bdls, Corn Exchange Bank, Singapore—14 bdls, R J Prentiss & Co, Singapore—18 bdls, W E Martin & Co, Singapore—9 bdls, Merchants Export & Import Co, Singapore
BERBERIS ROOT—63 bgs, Peek & Velsor, San Antonio
BERGAMOT OIL—20 qr cs, Irving Trust Co, Naples—10 half cs, Corn Exchange Bank, Port Said—200 qr cs, Port Said
BISMUTH—197 bars, Cerro de Pasco Copper Corp, Callao
BOLDO LEAVES—147 bls, S B Penick & Co, Valparaiso
BONE MEAL—4,200 bgs, National City Bank, Buenos Aires
BONES—625 bgs, Wessel, Duval & Co, Rio Grande
CAFFEINE, ANHYDROUS—30 bbls, Metallo Chemical Corp, Montevideo—160 bbls, Lo Curto & Funk, Montevideo
CALCIUM CITRATE—930 bgs, Enco Chemical Corp, Trinidad
CANARY SEED—166 bgs, Buenos Aires
CARDAMOM—20 cs, W E Martin Co, Bombay
CARNAUBA WAX—222 bgs, Biddle, Sawyer Corp, Rio Janeiro
CASEIN—1,000 bgs, Sheffield Farms Co, Buenos Aires—1,757 bgs, Eugenio Lang, Buenos Aires—2,000 bgs, Aralac, Inc, Taftville, Buenos Aires
CASTOR BEANS—100 bgs, Baker Castor Oil Co, Rio Janeiro—850 bgs, Brown Oil & Chemical Co, Bahia—6,300 bgs, Baker Castor Oil Co, Bahia—1,700 bgs, Spencer Kellogg & Co, Buffalo, Bahia—6,856 bgs, Baker Castor Oil Co, Santos—11,900 bgs, Baker Castor Oil Co, Pernambuco
CASTOR OIL—138 dms, East Asiatic Co, Santos—125 bbls, Murray Oil Products Co, Rio Janeiro—502 dms, Wessel, Duval & Co, Pernambuco
CEDAR OIL—5 dms, Naugatuck Aromatics, Casablanca
CHARCOAL, COCONUT—2,666 bgs, National Carbon Co, Colombo
CHROME ORE—403 tons, Philipp Bros, Lourenca Marques—1,222 tons, W H Muller & Co, Beira
CHRYSAROBIN — 12 cs, Biddle-Sawyer Corp, Rio de Janeiro
CINNAMON—389 bls, Volkart Bros, Colombo—505 bls, Otto Gerdau Co, Colombo—41 bls, Hds de J Puig, Colombo—175 bls, Simon F Bedoya, Colombo—224 bls, Pablo Calvet & Co, Colombo—183 bls, Archibald & Kendall, Colombo—100 bls, Max Van Pels, Colombo—211 bls, Chemical Bank & Trust Co, Colombo—21 bls, Wessel, Duval & Co, Colombo—52 bls, C T Wilson & Co, Colombo—14 bls, East Asiatic Co, Colombo—93 bls, Gillespie & Co, Colombo
CINNAMON BARK OIL—2 cs, Geo Luecders & Co, Colombo
CITRIODORA OIL—16 cs, W J Bush & Co, Montevideo
CITRONELLA OIL—36 dms, Volkart Bros, Galle—13 dms, Norda Essential Oil & Chemical Co, Galle—1 cs, Dodge & Olcott Co, Galle—13 dms, Norda Essential Oil & Chemical Co, Colombo
COCA LEAVES—134 bls, Maywood Chemical Works, Salaverry
COCOABUTTER—2 cs, 2 bbls, Metallo Chemical Co, Santos
COCOA CAKE—1,333 cs, Catz American Co, Bahia
CODLIVER OIL—69 dms, 7 bbls, Scandinavian Oil Co, Copenhagen
COLCHICUM ROOT—10 bgs, Superintendence Co, Trieste—Seed, 2 bgs, Peek & Velsor, Trieste
COPAL GUM—200 bgs, G W S Patterson & Co, Manila—88 bgs, France, Campbell & Darling, Manila
COPRA—1,371 tons, Spencer Kellogg & Sons, Surigao—750 tons, Cebu
CORN STARCH, POWDERED—1,800 bgs, Eugenio Lang, Buenos Aires
COTTON LINTERS—248 bls, Lush Cotton Products, Santos—1,064 bls, Williamson Product Co, Rio Janeiro—290 bls, Kanders Steuber Co, Santos—207 bls, Williamson Products Co, Santos—222 bls, Norton & Ellis, Santos—939 bls, Williamson Northup, Santos
COTTONSEED OIL—654 tons, Harrison & Crosfield, Rosario (Canada)
CREAM OF TARTAR—50 kgs, Middleton & Co, Genoa
CUMIN SEED—39 bgs, Wm M Allison & Co, Izmir—66 bgs, Otto Gerdau & Co, Karachi
CUBEBS—26 bgs, R J Prentiss & Co, Singapore
CUTTLEFISH BONES—14 straps, S B Penick & Co, Trieste—15 cs, Hinton & Co, Malaga
CYMBARUM OIL—22 dms, Fritzsche Bros, Rio de Janeiro—2 dms, Trubek Laboratories, Rio de Janeiro—3 dms, Dodge & Olcott Co, Rio de Janeiro—10 dms, Orbis Products Corp, Rio de Janeiro
DAMMAR GUM—140 bgs, Gillespie-Rogers-Pyatt Co, Singapore—50 cs, 512 bgs, S Winterbourne & Co, Singapore—75 cs, O G Innes Corp, Singapore—25 cs, W H Scheel, Singapore—50 cs, U S Industrial Chemical, Inc, Singapore—250 bgs, O G Innes Corp, Singapore
DILLSEED—237 bgs, Wagner Bros Feed Co, Bombay
ELEMI GUM—5 dms, W H Scheel, Inc, Manila—7 dms, France, Campbell & Darling, Manila
EUCALYPTUS OIL—17 dms, Fritzsche Bros, Montevideo
FIRE CLAY—295 bgs, Eagle Pencil Co, Santos
FISH LIVERS—14 bbls, Van Camp Food Co, Callao
FLEASEED—258 bgs, E Meer & Co, Bombay—107 bgs, Wessel, Duval & Co, Bombay—Husk, 133 bgs, R J Prentiss & Co, Bombay—175 bgs, Wm M Allison & Co, Bombay—266 bgs, Peek & Velsor, Bombay—1,134 bgs, T M Duche & Sons, Bombay—106 bgs, Parke Davis & Co, Detroit, Bombay
FUEL OIL—186,154 bbls, Standard Oil Co N J, Aruba
GALL—2 trcs, International Commercial Co, Rio Grande—18 bbls, Tupman, Thurlow Co, Santos—6 trcs, Sami S Svendsen, Chicago, Santos—Powdered, 38 cs, Van Gelden-Fanto Corp, Montevideo
GAMBIER—160 cs, J Berlage & Co, Hongkong
GARNETLAC—75 bgs, Cornelius & Suhr, Calcutta
GELATIN—200 bgs, T M Duche & Sons, Antwerp—198 bls, Continental Grain Co, Antwerp
GLUE—90 bgs, Transatlantic Animal By-Product Co, Valparaiso—200 bgs, C B Hewitt Bros, Inc, Valparaiso—70 bgs, Tupman, Thurlow & Co, Santos—288 bgs, Geismar & Co, Montevideo—200 bgs, Transatlantic Animal By-Product Co, Montevideo
GLYCERIN—113 dms, C J Schellings & Co Bombay—194 dms, Reichhold Chemical, Inc, Detroit, Montevideo
GRAPHITE—1,250 bgs, Charles Pettinos, Colombo—500 bgs, U S Treasury Dept, Colombo—250 bgs, F W Berk & Co, Colombo—1,250 bgs, Ansbury Graphite Mills, Colombo—1,000 bgs, Joseph Dixon Crucible Co, Colombo—250 bgs, Superior Flake Graphite Co, Chicago, Colombo—250 bgs, Eagle Pencil Co, Genoa
HENBANE LEAVES—45 bls, Inland Alkaloid Co, Tipton, Alexandria
HENNA LEAVES—18 bls, E Meer & Co, Alexandria—58 bls, J L Hopkins & Co, Alexandria—Powdered, 485 bgs, S B Penick & Co, Bombay
HERBS, CRUDE—32 bls, Peek & Velsor, Trieste—13 bls, Isaac A Levy, Casablanca—20 bls, National City Bank, Antwerp—20 bls, S B Penick & Co, Antwerp—68 bgs, Genoa
HOOF MEAL—466 bgs, International Commercial Co, Rio Grande
IRISHMOSS—148 bls, R H Elmaleh, Casablanca
IRON OXIDE—126 bbls, Witco Chemical Co, Malaga—398 bbls, 250 bgs, Smith Chemical Color Co, Malaga—170 bbls, 375 bgs, C K Williams, Malaga—268 bbls, J Lee Smith & Co, Malaga—229 bbls, Richard, Coulston, Inc, Malaga
JUNIPER BERRIES—85 bgs, Peek & Velsor, Marseilles
KARAYA GUM—533 bgs, J B Gruman Co, Inc, Bombay—133 bgs, Irving Trust Co, Bombay—66 bgs, Colony Import & Export Corp, Bombay—1 bg, Mitchel, Beck Co, Bombay—67 bgs, Biddle, Sawyer Corp, Bombay—200 bgs, J B Gruman Co, Bombay—133 bgs, Wessel, Duval & Co, Bombay—133 bgs, Gold Medal Haarlem Oil Co, Bombay—133 bgs, Frank Vliet Co, Bombay—466 bgs, Wm M Allison & Co, Bombay—513 bgs, Jacques Wolf & Co, Bombay—342 bgs, Innis, Speiden & Co, Bombay—466 bgs, Thurston & Braidich, Bombay
LABDANUM GUM—6 cs, Manhattan Trust Co, Alicante—3 cs, Malaga
LAUREL LEAVES—135 bls, Kachurin Drug Co, Lisbon—20 bls, W Dunne & Co, Leghorn

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LAVENDER OIL—1 dm, Manhattan Trust Co, Alicante
LEMON OIL—200 qr cs, Magnus, Mabee & Reynard, Naples—50 qr cs, T M Duche & Sons
LEMONGRASS OIL—12 dms, Givaudan-Delawanna, Cochin
LIME JUICE—47 cks, Middleton & Co, Port Spain—5 hhd, E de Witt Osborn, Roseau
LIME OIL, DISTILLED—31 cs, Fritzsche Bros, Trinidad—29 cs, Citrus & Allied Essential Oil Co, Roseau—11 dms, W J Bush & Co, Roseau—29 cs, Barclay Bank, Roseau—11 cs, Dodge & Olcott Co, Georgetown—30 cs, Citrus & Allied Essential Oil Co, Port Spain—30 cs, Dodge & Olcott Co, Port Spain—Expressed, 9 cs, Lo Curto & Funk, Port Spain—20 cs, Magnus, Mabee & Reynard, Bombay
LINSEED OIL—210 dms, Pacific Chemical & Mineral Development Co, Montevideo—505 dms, Murray Oil Products Co, Rio Grande
LOCUST BEAN GUM—600 bgs, Stein, Hall & Co, Antwerp
MACE—125 cs, International Credit & Handel, Rotterdam—101 cs, Middleton & Co, Grenada—18 cs, Joensson & Cross, Grenada—14 cs, W E Martin & Co, Grenada—24 cs, A G Dunn, Grenada—30 cs, J A McGlade, Grenada—26 cs, G L Curtin, Grenada
MAGNESITE, CALCINED—804 bgs, Golwynne Chemical Co, Madras
MANGROVE BARK—1,120 bgs, River Plate Import & Export Corp, Buenaventura
MANIOC MEAL—10,000 bgs, Morningstar, Nicol, Inc, Rio de Janeiro
MARJORAM OIL—2 dms, Magnus, Mabee & Reynard, Alicante
MENTHOL—100 cs, Biddle, Sawyer Corp, Rio Janeiro
MICA—207 cs, A O Schoonmaker Insulation Co, Rio de Janeiro—39 cs, J F Garneau, Rio de Janeiro—172 cs, Diamond Drill Carbon Co, Rio de Janeiro—6 cs, Eugene Munsell & Co, Rio de Janeiro—80 cs, Otto Gerdau Co, Rio de Janeiro—38 cs, Ford Radio Mica Corp, Rio de Janeiro—8 cs, H G Brake & Co, Rio de Janeiro—200 cs, Eugene Munsell & Co, Calcutta—110 cs, Ford Radio & Mica Corp, Calcutta—135 cs, A O Schoonmaker Insulation Co, Calcutta—145 cs, Cornelis & Suhr, Calcutta—15 cs, American Mica Works, Calcutta—48 cs, H H Arvy, Calcutta—46 cs, Wm Brand & Co, Calcutta—333 bgs, Asheville Mica Co, Rio Janeiro
MOLASSES—457 tons, Standard Brands, Inc, Salaverry
MOLYBDENITE CONCENTRATES — 475 dms, Mines Products Corp, San Antonio
MONTAN WAX—407 bgs, American Cyanamid & Chemical Corp, Rotterdam
MUSTARD SEED—200 bgs, Transcontinental Seed Co, Copenhagen—1,210 bgs, A G Dunn, Copenhagen—291 bgs, Old Dutch Mustard Co, Copenhagen—268 bgs, R T French Co, Rochester, Copenhagen
MYRTLE OIL—1 dm, Roure Dupont, Casablanca
MYROBALANS—1,334 bgs, River Plate Import & Export Corp, Bombay—334 bgs, Hanish Love & Co, Bombay
NUTMEGS—56 bgs, Joensson & Cross, Grenada—21 bgs, Catz American Co, Grenada—14 bgs, Victory Shipping Co, Grenada—14 bgs, Superintendence Co, Grenada—150 bgs, A Schilling & Co, Grenada—50 bgs, Ben-Hur Product Co, Grenada—150 bgs, Middleton & Co, Grenada—10 bgs, Chili Product Corp, Grenada—50 bgs, A G Dunn, Grenada—100 bgs, Otto Gerdau & Co, Grenada—50 bgs, J A McGlade, Grenada—50 bgs, Kennedy, Butcher & Co, Grenada—55 bgs, G L Curtin, Grenada—100 bgs, Singapore
NUTMEG OIL—2 cs, Victory Shipping Co, Grenada
NUX VOMICA—160 bgs, Volkart Bros, Cochin
OAKMOSS—31 bls, S B Penick & Co, Trieste—23 bls, Peek & Velsor, Trieste
OLIBANUM GUM—134 bgs, Norwall Mills, Bombay—67 bgs, Tragacanth Importing Co, Bombay—225 bgs, Max Van Pels, Bombay
OLIVE OIL—237 dms, Chicago Macaroni Co, Genoa—94 dms, Leghorn Trading Co, Malaga—120 dms, Malaga
ORAGANOS—1 bl, Kachurin Drug Co, Lisbon
ORANGE & ROSE OIL—2 cs, Lo Curto & Funk, Marseilles
ORRISROOT—41 bgs, National City Bank, Marseilles
OURICURY WAX—112 bgs, Wax & Rosin Products, Bahia—112 bgs, Cornelius Products Co, Bahia—112 bgs, W R Grace & Co, Bahia
PALM OIL—2,242,676 lbs, Balfour, Guthrie & Co, Matadi
PALMAROSA OIL—2 pots, Volkart Bros, Bombay
PAPAIN—34 pkgs, S B Penick & Co, Colombo—6 chests, R J Prentiss & Co, Colombo—14 half cs, E Meer & Co, Colombo
PAPRIKA—200 bgs, A G Dunn, Alicante—325 bgs, M J Golombeck, Alicante—200 bgs, Knickerbocker Mills Co, Alicante—100 bgs, Levy & Levis Co, Alicante—100 bgs, Wm M Allison & Co, Alicante—100 bgs, S H Tyler & Son, Alicante—250 bgs, J H Forbes Tea & Spice Co, Alicante—100 bgs, Euclid Coffee Co, Alicante—500 bgs, Alicante—300 bgs, Hinton & Co, Lisbon—300 bgs, R T French & Co, Rochester, Alicante
PEANUT OIL—1,007 tons, Harrison & Crosfield, Rosario (Canada)
PEATMOSS—300 bls, Halfmoon Mfg & Trading Co, Rotterdam
PEBBLES—1,108 bgs, Buebendorf Bros, Havre
PENDARE GUM—188 bls, Wessel, Duval & Co, Bolivar—192 bls, Chicle Development Co, Bolivar—41 bls, T A Desmond & Co, Bolivar—370 bls, H A Astlett & Co, Bolivar
PEPPER, BLACK—150 bgs, J Berlage & Co, Singapore—70 bgs, Van Loan & Co, Singapore—210 bgs, H S Cramer & Co, Singapore—210 bgs, Hds de Puig Verdaguer, Singapore—1,055 bgs, A G Dunn, Singapore—887 bgs, C T Wilson & Co, Singapore—420 bgs, Holland Colombo Trading Society, Singapore—1,650 bgs, Otto Gerdau Co, Singapore—2,250 bgs, Singapore—780 bgs, Cochin—White, 588 bgs, W R Grace & Co, Singapore—448 bgs, International Credit En Handels, Singapore—560 bgs, Singapore
PEPPERMINT LEAVES—4 cs, S B Penick & Co, Antwerp
PERILLO GUM—49 cs, 96 bgs, Chicle Development Co, Buenaventura—17 bgs, H A Astlett & Co, Buenaventura
PETITGRAIN OIL—17 dms, Trubek Laboratories, Montevideo
PETROLEUM, CRUDE—123,489 bbls, Standard Oil Co N J, Porto La Cruz—152,343 bbls, Standard Oil Co N J, Las Piedras—112,645 bbls, Standard Oil Co, Cartagena
PINE OIL—6 cks, Fritzsche Bros, Trieste
POPPYSEED—200 bgs, Louis Furth, Inc, Rotterdam—200 bgs, Joel Bieler Export & Import Co, Rotterdam
POTASH CHLORATE—250 dms, Charles Hardy, Antwerp
POTATO DEXTRIN—800 bgs, Stein, Hall & Co, Rotterdam
POTATO STARCH—100 bgs, Catz American Co, Rotterdam
PYRETHRUM ROOT—68 bgs, Peek & Velsor, Casablanca
QUEBRACHO EXTRACT—6,029 bgs, River Plate Import & Export Corp, Buenos Aires
QUICKSILVER—236 flasks, Pavia & Co, Genoa
RAPESEED OIL—1,291 bbls, Smith, Weihman Co, Inc, Havre—1,308 bbls, Murray Oil Products Co, Havre
ROSEMARY OIL—6 dms, D M Hatton Co, Alicante—2 dms, Manhattan Trust Co, Alicante
ROSIN—9 dms, MacCormick Line, Montevideo—Liquid, 345 dms, Guaranty Trust Co, Gothenburg
SAGE OIL—5 dms, Geo Lueders & Co, Alicante—1 dm, Manhattan Trust Co, Alicante
SANDALWOOD—100 bgs, Dodge & Olcott Co, Bombay
SEEDLAC—450 bgs, Gillespie-Rogers-Pyatt Co, Calcutta—150 bgs, Schwab Bros Corp, Calcutta—500 bgs, Cornelis & Suhr, Calcutta—200 bgs, J B Day & Co, Calcutta—200 bgs, Mac Lac Co, Calcutta—200 bgs, Dings & Schuster, Calcutta—650 bgs, Wm Diehl & Co, Calcutta—250 bgs, The Mantrose Corp, Calcutta
SHARK LIVERS—50 bbls, Arista Oil Products Co, Rio de Janeiro
SHELLAC—1,885 bgs, Wm Diehl & Co, Calcutta—300 bgs, Dings & Schuster, Calcutta—325 bgs, Cornelis & Suhr, Calcutta—300 bgs, Wm Zinsser & Co, Calcutta—300 bgs, Schwab Bros Corp, Calcutta—100 bgs, Bradshaw, Praeger & Co, Calcutta—500 bgs, Mac Lac Co, Calcutta—650 bgs, The Mantrose Corp, Calcutta
SILVER PROTEINATE—1 cs, Heyden Chemical Corp, Rio de Janeiro
SODA SILICOFLUORIDE—179 bbls, Hummel Chemical Co, Copenhagen—200 bgs, Harshaw Chemical Co, Copenhagen
STORAX—19 cs, S B Penick & Co, Trieste
SUNFLOWER SEED OIL—2,000 tons, Harrison & Crosfield, Rosario (Canada)
TALC—1,600 bgs, Charles Mathieu, Marseilles
TAPIOCA FLOUR—7,150 bgs, Stein, Hall & Co, Itajai—1,416 bgs, Central Hanover Bank & Trust Co, Itajai—1,000 bgs, Padawer Co, Rio de Janeiro—834 bgs, Java American Export Co, Rio Janeiro
TAR, MEDICINAL—1 dm, Malaga
TARA, POWDERED—170 bgs, A Kates & Co, Callao
TEAWASTE—2,000 bgs, Citro Chemical Co, Calcutta—1,400 bgs, Maywood Chemical Works, Colombo
THEOBROMINE—36 kgs, McKesson & Robbins, Santos—40 bbls, Metallo Chemical Corp, Santos—20 bbls, Metallo Chemical Corp, Montevideo
THYME OIL—5 dms, Magnus, Mabee & Reynard, Alicante—2 dms, Geo Lueders & Co, Alicante
TONKA BEANS—13 cks, Machado & Co, Trinidad
TUNG OIL—376 dms, Fu Chung International Corp, Shanghai—225 tons, W G Smith Co, Cleveland, Shanghai
TUNGSTEN ORE—454 bgs, Wah Chang Trading Corp, Santos
VANADIUM ORE—2,920 bgs, Vanadium Corp of America, Callao
VALERIAN ROOT—40 bgs, S B Penick & Co, Bombay
VANILLA BEANS—12 cs, Thurston & Braidich, Roseau—18 cs, Corn Exchange Bank, Marseilles
VETIVER OIL—1 dm, Edwin Seeback, Rio de Janeiro
WATTLE BARK EXTRACT—2,020 bgs, American Cyanamid & Chemical Corp, Durban—813 bgs, River Plate Import & Export Corp, Durban
WOLFRAM ORE—600 bgs, Philipp Bros, Arica—3,000 bgs, Wah Chang Trading Corp, Arica

Baltimore

MICA—70 cs, 330 bgs, Asheville Mica Co, Rio de Janeiro
WATTLE BARK EXTRACT—6,320 bgs, American Cyanamid & Chemical Corp, Durban

Boston

BONE PHOSPHATE, PRECIPITATED—1,350 bgs, Apothecaries Hall Co, Antwerp
BONES—1,016 bgs, Buenos Aires
FISH LIVERS—10 dms, First National Bank, Iquique
GLUE—100 bgs, Irving M Sabin & Co, Antwerp—800 bgs, First National Bank, Rio Grande
GLUESTOCK—345 bls, H Remis & Co, Rio de Janeiro—333 bls, J Garvers Co, Rio de Janeiro
OSSEINE—400 bgs, First National Bank, Antwerp

Norfolk

COCOA RESIDUE—3,057 bgs, Monsanto Chemical Co, Rotterdam

Philadelphia

ALCOHOL—1,100 dms, Schenley Distilleries, Santos
BAUXITE—2,337 tons, Aluminum Import Corp, Georgetown
CHROME ORE—2,507 tons, E J Lavino & Co, Karachi—999 tons, E J Lavino & Co, Beira—2,304 tons, E J Lavino & Co, Lourenco Marques
COCOABUTTER — 250 cs, Woodward & Dickerson, Santos—2,500 cs, Woodward & Dickerson, Bahia—1,667 bbls, Woodward & Dickerson, Montevideo
MENTHOL—816 cs, Vick Chemical Co, Montevideo
PEATMOSS—200 bls, Carl Castmeyer, Inc, Rotterdam—500 bgs, Halfmoon Mfg & Trading Co, Rotterdam
SHELLAC—500 bgs, Mac Lac Co, Calcutta
SODA SILICOFLUORIDE—200 bgs, W H Masson, Inc, Copenhagen—214 bbls, H Kohnstamm & Co, Copenhagen
TAPIOCA FLOUR—1,000 bgs, Perkins Glue Co, Rio de Janeiro

San Francisco

CINNAMON—302 bls, Bank of California, Colombo
NUTMEGS—110 bgs, D Hecht & Co, Grenada
PEPPER, BLACK—420 bgs, D Hecht & Co, Singapore
TUNG OIL—440 tons, Pacific Vegetable Oil Co, Shanghai

National Can Elects

William R. Janney, of the general line sales department of National Can Corporation, has been elected a vice-president of the company.

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Chinese Trade Policies Modification Sought

Modification of Chinese trade policies and customs duty valuations hampering American exports to China, tariff concessions on American export products, and lowering of United States tariff barriers on non-competitive Chinese commodities are urged in a comprehensive brief submitted by Arthur B. Foye, President of the Far East-America Council of Commerce and Industry, to the State Department's Committee for Reciprocity Information, in connection with the negotiation of a trade agreement with China scheduled for next Spring.

The statement, presented on behalf of the council's membership of 400 companies actively interested in trade with China, deals with matters of general trade policy rather than with specific tariff concessions, which are covered in briefs submitted by individual companies.

The Far East-America Council's presentation urges that special care be taken to impress on the Chinese authorities the need for consistent and reasonable policies in the valuation of import products for tariff purposes. In this connection, it is pointed out that many complaints have been received from American exporting firms to the effect that import duties are often based not on the true wholesale market value but on inflated black market prices in China. This practice, it is stated, has not only resulted in uncertainty and confusion but has also contributed to price inflation.

Another section of the council's brief points out the need for reform in Chinese procedure in announcing and administering trade regulations. Issuance of new restrictions without sufficient notice to the trade, and often without prompt notification to the Chinese agencies concerned with their enforcement, the brief states, has been a frequent source of difficulty to American firms trading with China.

Trade Pact Protests

—Continued from page 3

able conditions the chemical industry anticipates a large expansion in production, with a corresponding increase in production which may eventually reach the peak of June, 1945; an increase in employment; maintenance of a high level of wages, and continuing development as a direct contribution to higher living standards.

The association concluded its brief with thirteen reasons for contending that this is not the time for a reduction in the tariff rates of the chemical schedule. They are:—

"A revision of the tariff rates injurious to the chemical industry will jeopardize the military security and peacetime economy of the United States.

"Since the initiation of the Trade Agreement program there has been an extensive downward revision of the chemical schedule, and, in addition, a large number of chemical products are on the free list.

Uncertainty of Future

"There is a high degree of uncertainty as to future costs of chemical production due to increasing wages, higher prices for raw materials, and strike caused shortages. Hourly earnings in the industry have increased over 50 percent from 1940 to September, 1946.

"The current foreign wage level is about one-third that of American industry for an average workweek of forty-eight hours, and salaries for technologists are from one-third to two-thirds of those paid in the U. S.

"The efficiency of the chemical industries in Great Britain, Switzerland, Holland, and Belgium does not differ materially from that of the United States, and that of France and Italy is somewhat lower, but because of a lower standard of living their costs are far below those of the United States.

"On account of the strategic character of the chemical industry in defense and in the peacetime economy, there is a conspicuous trend toward the development of a self-contained chemical industry in each nation. Here government subsidies may play a major part in low production costs.

Strong Foreign Industries

"In the postwar period there are strong, well-organized chemical industries in Great Britain, France, and Switzerland, and the chemical industries in both Belgium and Holland are moving rapidly into production. Furthermore, Russia has achieved a large expansion in the State-monopoly chemical industry, and has added large chemical plant capacity in her German-occupied zone and satellite areas in Europe. Russia promises to be an important factor in the world's export markets, which may be of political rather than economic motivation.

"The greatest asset of the German chemical industry was talent. The 15,000 technologists of the German I.G. are trained in chemical production and research; they are bound to continue in their profession whether chemical plants are located in Czechoslovakia, Russia, France, or other countries.

"A number of foreign nations are operating under a central or socialistic form of government which involves government control of exports and imports. This means in actual practice that commodities can be priced for export to the United States at any figure necessary to move the goods. This has been exemplified in the case of exports from Russia. The remedy for dumping has been ineffective under the provisions of the Anti-Dumping Act, which has been inoperative for nearly fourteen years.

"Until foreign exchange rates are stabilized, foreign costs are of no significance because, by lowering or manipulating the exchange rate, the competitive price of imports into the United States can be lowered to any figure and thus afford an unfair if not disastrous advantage.

Price Above Normal

"At present there is a large demand for chemicals in the world's export markets, and prices are far above the normal figures in the chemical-producing countries. This, therefore, can be regarded only as a temporary condition because it is simply a question of time before the needs of the consuming countries will be met. Consequently, United States export prices cannot in any sense be taken as a criterion for future competitive world markets.

"The absence of imports during the war period cannot be taken as a measure of the adequacy of the tariff rates because in the 1930's foreign-owned plants were operated in the United States, the effect of which was to reduce imports and, second, during the war period imports and exports were under rigid government control and each nation in the war was producing for its own military and civilian requirements.

"The foreign controls set up in the war have been perpetuated into the postwar period. These controls include license of imports and exports, quotas, and currency control. They present more serious and impassable trade barriers than existing tariffs. These conditions should be remedied before our tariffs are revised.

Oil Industry Threatened

The independent oil producers, in their brief asking restoration of the one-half cent per gallon excise tax on crude and fuel oils, and the two and one-half cents per gallon tax on gasoline, stated that the domestic oil industry is faced with greater imports than ever before. According to the brief, the huge developed and proven reserves in South America and the Middle East threaten the continued existence of the independent oil producing industry in the United States.

The brief asserted that the application of the trade agreements act as to petroleum is furthering the establishment of a world monopoly in petroleum, because in the foreign countries which offer the greatest threat to the American industry the ownership of the industry is largely in the hands of seven companies, five of whom are American and the others British and Dutch.

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Heads Chemical Dept.

Lauren B. Hitchcock has been appointed vice-president in charge of the chemical department of the Quaker Oats Company, Chicago. Since 1944, Dr. Hitchcock has served as manager of the chemicals department in the development of furan chemicals. Formerly he was with Hooker Electrochemical Company, Niagara Falls, N. Y., as manager of sales development.

Aluminum Plant Offered by WAA

OPD Washington Bureau

War Assets Administration has invited bids for the purchase of the $24,000,000 Aluminum Company of America aluminum reduction plant at Torrance, Calif., fifteen miles from the center of Los Angeles, either as a whole or in part.

The 129-acre plant, completely equipped to produce 160,000,000 pounds of aluminum and 28,800 tons of carbon electrodes per year, consists of more than fifty buildings, providing a total floor area of 920,000 sq ft. Most of the buildings are grouped into two major producing units, the carbon plant and the reduction plant. The latter is centered on ten potrooms forming five lines. The fenced-in site fronts 1,735 feet on 190th street, and 3,230 feet on Normandie avenue in a highly developed industrial district.

WAA recommends purchase of the plant with its present equipment as a complete aluminum reduction plant, or purchase of the land, land improvements and buildings for the manufacture of other products. The production equipment may be acquired separately, either as a whole or in functional groups, to be used elsewhere.

Sealed proposals for this property, Plancor 226 IA, Aluminum Company of America, Torrance, Calif., must be received at Post Office Box 5340, Los Angeles 55, Calif., before 11 a.m. (PST), January 21, 1947. Proposals will be publicly opened and read that day at the WAA Office of Real Property Disposal, Room 1104, Chester Williams building, 215 W. Fifth street, Los Angeles. Specifications for proposals may be obtained from any WAA regional office. Credit terms may be arranged for the purchase of this property.

Tenn. Products Moves Sales Office to N.Y.

Sales headquarters of the chemicals division of Tennessee Products Corporation, Nashville, moved this month to the Empire State building. Eugene F. Allen has been appointed sales manager in charge of the new office.

Trade Briefs

Lavender oil producers in Great Britain do not anticipate any surplus for export during the present season.

M. M. Katz has resigned as vice-president and sales manager of Volupte Compacts Inc., effective December 30.

Parfums D'Orsay, New York, has announced the appointment of M. H. Russell as western representative. Mr. Russell was formerly with Dana Perfumes.

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DISTILLED VITAMIN A ACETATE

It is, we believe, the finest concentrate of vitamin A available in bulk today.

High potency. Standard concentration of Distilled Vitamin A Acetate is 700,000 U.S.P. units per gram.

High stability. Resistance to decomposition is comparable with that of our distilled natural ester concentrates.

Superior taste and odor. Because substantially all the fatty materials present in natural fish liver oils have been removed, Distilled Vitamin A Acetate cannot revert to fishy taste and odor.

Biologically efficient. Bioassays indicate the same conversion factor for the acetate as for our ester concentrates.

Available on long term contract. You are assured of supply regardless of fluctuations in liver landings.

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USP XII

PROCAINE HYDROCHLORIDE USP XII

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QUININE, QUINIDINE and CINCHONA BARK remain under Civilian Production Administration control with little likelihood of release at any early date. Supplies of QUININE and QUINIDINE are extremely scarce and allocations continue to be granted only sparingly for their restricted uses.

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Botanical Drugs, Spices, Gums

There was plenty of opportunity last week for the thoughtful dealers in botanical drugs imports to retire into solitude to await the arrival of the new year and its revival of old desires. Those old desires are orders and it is believed that the new year will bring about substantial revival of buying and a consequent expansion in sales. Last week, the market rested quietly but also merrily because of the holiday season.

During the week, the latest report of the Department of Commerce concerning botanical imports during the period January-August, 1946 vs. 1945 and also of the August arrivals in both years, was in hand. According to the Department, August arrivals of cinchona bark, ergot, gentian, henbane, kola nuts, and nux vomica brought the arriving tonnage 33 percent above July's total receipts. The Department persists in including imports of crude licorice root in its reports on botanical drug arrivals despite the fact that so to do results in a vastly distorted picture and readers of the Department's literature must turn mathematician to correct the distortion. Botanical dealers and consumers would welcome total figures of botanical importations arrived at by eliminating the figures on licorice root, sandalwood, coca leaves and gum opium. Licorice root is predominately a tobacco industry raw material. Gum opium and coca leaves are of interest only to makers of narcotics and sandalwood is used to make an essential oil.

A revision of the Department's presentation of data results in the following figures on imports of strictly medicinal botanicals during the period January-August. In that period of 1946, 12,437,186 pounds of drugs arrived. The total compares with 13,043.822 pounds in the corresponding period of 1945. This is a decrease for 1946 arrivals but in the manner the Department presents its reports, the arrivals—including agar, coca leaves, licorice root, opium, and sandalwood—gained 44 percent in 1946 over the 1945 totals.

Balsams

Copaiba — Activity was lacking. Stocks were moderate. Imports in the period January-August this year totaled 124,224 pounds, comparing with 82,004 in the corresponding period, 1945.

Fir—Importations of this balsam totaled 4,141 pounds in January-August, comparing with 7,627 pounds in the corresponding time in 1945.

Peru—According to the latest data, importations in the period January-August total 77,478 pounds, against arrivals totaling 157,520 pounds in the equivalent period, 1945.

Tolu — Recent arrivals permitted some easing of prices and quotations were $4.25 to $4.50 per pound. Imports of the item during the period January-August, 1946, totaled 85,238 pounds, against 23,214 pounds in the corresponding time, 1945.

Imports Detained by FDA

Week Ended December 20, 1946

New York

Cassia, 421 bales; insect infested.

Cassia oil, 78 drums; not USP; water substituted for cassia oil.

Chillies, 468 bags; live insects; filthy.

Cod oil, 100 drums; decomposed.

Cubeb berries, 216 bags; deficient volatile oil; ripe berries substituted for unripe.

Cumin seed, 150 bags; insect infested.

Fennel seed, 400 bags; filthy.

Fennugreek seed, 228 bags, filthy.

Ginger, 2.897 bags; insect bored and contains dead insects.

Henbane, 173 packages; not official variety.

Mustard seed, 100 bags; filthy.

Nutmegs, 110 bags; moldy and wormy.

Ocetea cymbarum oil, 111 drums; drums not properly labeled.

Olive oil, 713 drums; decomposed; mineral oil present in some drums.

Pepper, black, 5.337 bags; filthy; excess siftings and pickings; dead insects.

Sage, 40 cases; not official variety.

Market Trends

Prices Advanced

Drugs

None

Other Articles

Caraway seed, Roumanian, ½c. per lb.

Prices Reduced

Drugs

Tolu balsam, 25c. per lb.

Other Articles

Caraway seed, Swedish, ½c. per lb. Danish, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
295.0	295.0	295.4	258.6

(For Current Prices see Page 9)

Barks

Cinchona—According to the Department of Commerce, importations in the period January-August, 1946, totaled 255,648 pounds, which compares with 4,889,467 pounds arrived during the corresponding period of 1945.

Cocillana — The end of the year found demand almost at an end. Sales, when made, were mainly for January 1 invoicing. The market remained very firm.

Cottonroot — Outlook for lower priced new crop collections were not too encouraging but some felt more would be gathered this year than was obtained in 1945.

Elm—Although little demand prevailed, prices remained firm and were in line with the prevailing cost to replace when replacement was possible.

Beans

Tonka—Holding firm on spot. The outlook for 1947 sales was considered satisfactory but replacement costs may rise somewhat further, according to some.

Vanilla—Much of the early part of the next consuming year will depend on how large demand may play a part against the limited supply. Toward the end of the first quarter, Mexican shipments should start and their arrival will be welcome. The outlook for 1947 prices on Bourbon beans does not include any suggestion that the French will drop their quotations on the next crop.

Berries

Cubeb—Berries arriving are having difficulty in getting releases for consumption. The quality is not up to standard in many instances and four shipments totaling 216 bags were detained because of insufficient oil content and the substitution of ripe for unripe berries.

Juniper—The market closed the year quiet but in steady price position. Competition has gained in the last quarter and some felt need for money abroad might lead to more attractive values when the next crop is marketed in Europe.

Flowers

Arnica—The situation—which is one of tight supply and virtually nominal price—seems unlikely to change early next year. The close of 1946 was very quiet, in part because of the lack of goods to sell.

Chamomile—Prices in most foreign markets end the year in firm position and dealers here indicate that business in the first quarter of the new year will be done under conditions of considerable price strength. Trade was at low ebb last week.

Saffron—Spanish flowers here and in Spain occupied a firm position. Sellers stood aloof from price enticements to consumers, prefering to await the normal revival of trade, come the new year.

Gums

Aloe — Importations in January-August, 1946, totaled 613,740 pounds, comparing with 496,875 pounds arrived in the corresponding time in 1945. The market ended the year in steady position.

Arabic—Imports in 1946 gained over those in 1945, according to the United States Department of Commerce. In January-August, 1946, a total of 14,726,111 pounds arrived as compared

For Late Market Developments, See Page 4

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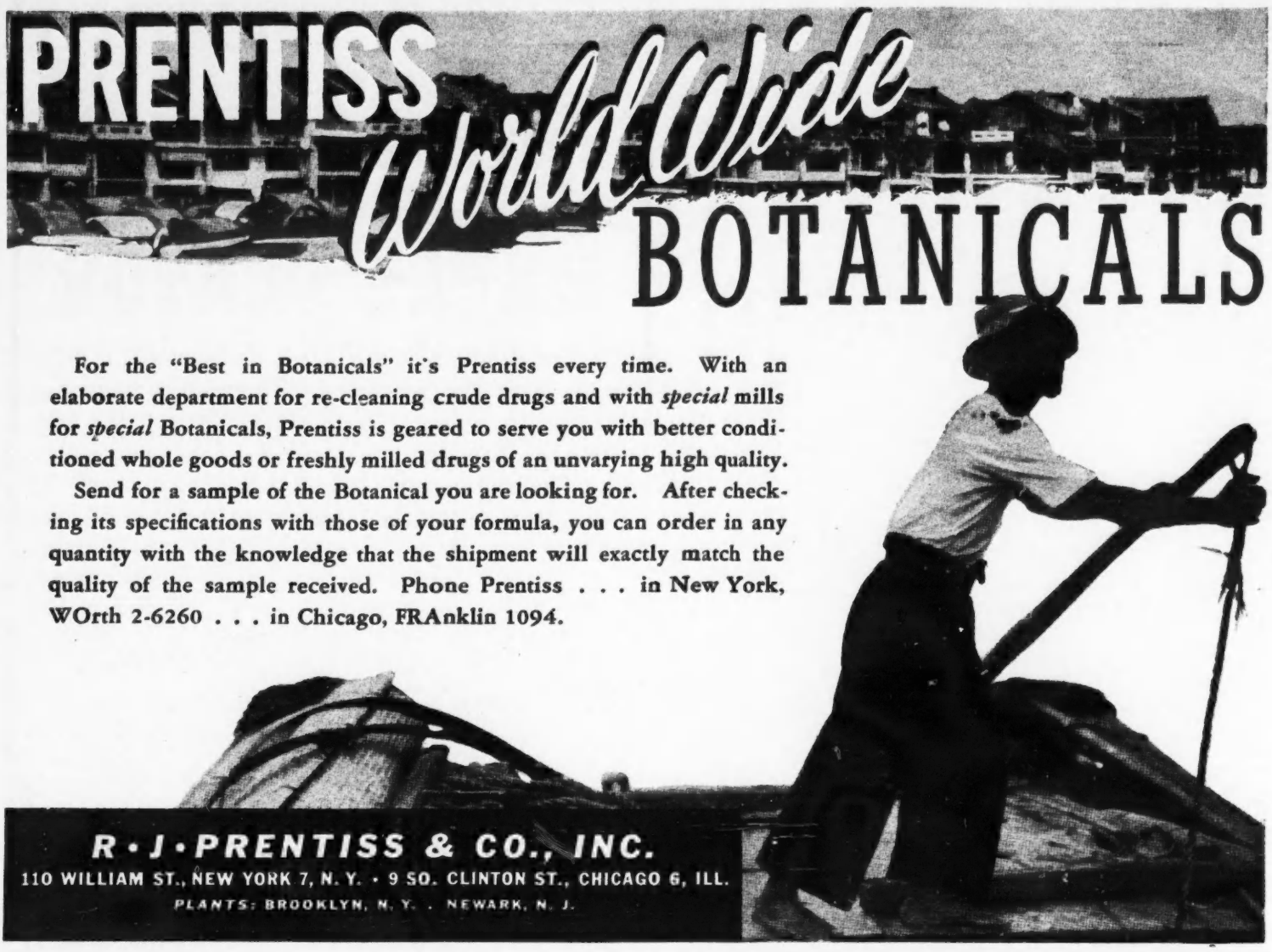

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with the 10,818,661 pounds in the corresponding period of 1945.

Karaya—More gum was imported this year than in 1945. The total of arrivals in the period January-August this year was 5,245,224 pounds, as against 4,224,749 pounds imported in the corresponding period of 1945. These figures supplied by the Department of Commerce, however, include some arrivals of gum talka.

Myrrh—Importations in January-August, 1946, totaled 28,168 pounds, which compares with 4,536 pounds imported in the corresponding period of 1945.

Olibanum—According to the Department of Commerce, arrivals in January-August, 1946, were 941,632 pounds, a sharp rise from the total of 178,446 pounds brought in the corresponding time in 1945.

Tragacanth—Expansion of importations was not achieved according to the latest Department of Commerce figures. In January-August, 1946, a total of 2,058,558 pounds was brought in while in the corresponding time in 1945, arrivals totaled 2,168,437 pounds.

Herbs and Leaves

Buchu—The year ended with prices firm and indications of a rise in sales in the first quarter of next year. Importations gained in 1946. The total of arrivals in the period January-August, 1946, was 102,731 pounds, as against the total of 83,154 pounds arrived in the corresponding time in 1945.

Digitalis—Many thousand percents represent the gain in 1946 importations. The total arrived during the period January-August, 1946, was 3,110 pounds, which compared with the 50 pounds arrived in the equivalent period in 1945.

Ephedra—Imports in January-August, 1946, totaled 8,703 pounds, coming in August. In 1945, same period, none reached here.

Henbane — Foreign countries increased their shipments in 1946. In the period January-August, 1946, 181,720 pounds were imported while in the corresponding stretch in 1945 but 45,514 pounds reached these shores.

Senna — Cables showed primary market strength to be unabated and spot quotations were fully firm in all respects. Importations in January-August, 1946, totaled 1,918,430 pounds, against 214,926 pounds in the corresponding time in 1945. Importations in 1946 were increased at steadily advancing prices at the source.

Stramonium—The increase in 1946 importations was small. According to the Department of Commerce, in January-August, 1946, 287,377 pounds were brought in, while in the corresponding period, 1945, the total was 282,831 pounds. The market was generally very firm in the final week of the year.

Miscellaneous

Commerce import data for the period January-August, arrivals in 1946 totaled 93,616 pounds against 64,902 pounds for 1945. The market closed the year in steady position and with the trade looking forward to renewal of demand early in the new year.

Lycopodium—A short time back, the market was very strong. At the end of the year, however, it tends to be much easier and more goods are offered at more favorable prices than was possible four months ago.

Nux Vomica—Department of Commerce import figures for the period January-August show a sharp increase in 1946 arrivals. The total for this year was 2,617,762 pounds compared with 522,660 pounds for the corresponding period in 1945.

Papain—The sharp drop in 1946 arrivals was accompanied by sharply rising prices at the source. Hence, the market for this article ends the year in strong price position and in depleted supplies. During the period January-August, 1946, arrivals totaling 152,530 pounds, which compares with 203,172 pounds in the corresponding period of 1945.

Roots

Gentian—Stocks at the end of the year were plentiful and prices were quiet but reasonably easy under competition. Imports in the period January-August, 1946, totaled 524,268 pounds, compared with 165,113 pounds imported in the corresponding period, 1945.

Ipecac—Importers managed to get more root this year than last but,

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I cannot eat but little meat,
My stomach is no good;
But sure I think that I can drink
With him that wears a hood.

Back and side go bare, go bare,
Both foot and hand go cold;
But, belly, God send the good ale enough,
Whether it be new or old.

A Happy New Year

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TRADE MARK

toward the end of the year, only at rising prices. Imports in January-August, 1946, totaled 70,382 pounds against 29,407 pounds arrived in the corresponding period of 1945.

Jalap—The market continued to strengthen as the year weakened and waned. Prices tended toward further advance. Imports in the period January-August, 1946, totaled 86,727 pounds. In the corresponding time in 1945, the total was 42,976 pounds.

Licorice—The rise in 1946 importations was startling. Over the period January-August, the total was 30,939,188 pounds. In the corresponding period of 1945, the total was 17,753,474 pounds. The imports of licorice extracts totaled 345,616 pounds this year against 89,002 pounds last year.

Rhubarb—Imports declined in 1946. The falling off was in root from India. It seems likely that arrivals from China gained. The total import during January-August, 1946, was 80,059 pounds, compared with 115,751 pounds in the equivalent months of 1945.

Seeds

Anise—Future deliveries of Cyprus seed were no cheaper and most varieties if anise offered either spot or forward ended the year in steady position.

Caraway—A few shifts in prices were noted. Danish was shaded to 25¾c. to 26¼c. per pound. Roumania was up to 22½c. to 23c. And Swedish was lower at 23c. to 23½c. Little market activity was noted.

Celery—Prices failed to advance further. The market ended the year in steady position.

Fenugreek—More trouble over the quality of imports was noted. Arrivals totaling 228 bags have been detained because of the presence of filth. The spot market tended to become firmer.

Mustard—This group retained all of its recent strength. France was reported making further inquiries for oriental seed for shipment after the turn of the year.

Poppy—Prices steadied and closed the year without further change.

Spices

Allspice—Mexican goods lacked further price decline. Not much demand was noted but sellers retained steady price views last week.

Cassia—Insects continued to infest arrivals; 421 bales were ordered detained for that reason. No further price decline came in China or Saigon materials.

Paprika—All grades ended the year in a position possibly the strongest for the entire twelvemonth. No further advance in prices on Portuguese or Spanish material was noted.

Pepper—It is not enough that pepper be short here. To that fact must be added the further trouble of filthy, insect-infested and pepper loaded with excess siftings. Because of those reasons, 5,337 bags were detained last week on arrival. Prices held steady.

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Essential Oils, Other Aromatics

There was a lull in trading in the essential oil market last week as attentions were devoted to celebrating the Christmas holiday, and yet sufficient interest was evinced to maintain prices and move fairly large quantities of materials. Prices for mace and nutmeg oils were advanced $1 per pound as shortages became even more acute and there was no visible relief in the near future. USP clove oil was offered at a price reduced 5c. per pound to $1.45 per pound as the material became slightly more available. The fluctuation of Spanish spike lavender oil due to clerical errors continued and was, it is thought, resolved.

Imports poured into the American market as fairly sizable shipments of twenty different oils were reported, and it was generally felt throughout the trade that the worst of the raw material shortage was past. There had been steady improvement in the availability of most imported oils during the past two months, and it was expected last week that there would be no recession in either variety or quantity of oils arriving in American ports in the future.

The aromatic chemical market was appropriately quiet as befitted Christmas week, and movement of stocks was limited to filling of contract orders, in general. There were some spot stocks of material offered and sought, but there was actually very little activity. Raw material shortages continued to work hardships on both producers and consumers, but there was a quiet patience demonstrated by both, and a firm conviction that the new year would bring decided improvement in the majority of the short items.

Market Trends

Prices Advanced

Mace oil, distilled, $1 per lb.
Nutmeg oil, distilled, $1 per lb.

Prices Reduced

Clove oil, U.S.P., 5c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
226.9	227.0	226.3	222.2

(For Current Prices see Page 9)

Essential Oils

Almond—Stocks of Italian oil continued to improve last week as the steady flow from that source displayed little tendency to slacken. Trading was slightly retarded due to the mid-week holiday, but buyer interest was nevertheless at a moderately high level. Prices were steady and unchanged. Imports during the period under review included fifty drums from Italy.

Bay—Hope was aroused last week that tight stocks might be relieved after the beginning of the new year as a small shipment of oil arrived in the American market. Four drums and ten cases of oil were imported from the Dominican Republic during the week. Prices for both Puerto Rican and West Indian oil held firm at rhe previous levels.

Bergamot—The steady improvement in stocks of this oil, which had begun several weeks earlier with the development of a fairly regular import situation, maintained its excellent pace last week. Twenty quarter cases arrived from Italy, and ten half cases and 200 quarter cases were shipped to the American market from Port Said, Egypt. Trading was at a fairly high level considering the holiday lull which limited activity somewhat, and buyer interest was generally well maintained. Prices held steady at the previous levels.

Cardamon—Increasing costs of spice in the Indian market exerted a marked influence on the prices quoted in the American market last week, as some material was offered at prices as high as $30 per pound. There was no change in the lower quotation for the oil, as one dealer continued to offer stocks at $19 per pound. Stocks were generally tight, interest was good, and prices were firm all along the line.

Cedar—Demand for both leaf and wood oil was maintained at a fairly high level last week as stocks were relatively tight. Prices were steady to firm at the levels which had been in force for many weeks. It was generally felt throughout the trade that there would be little supply relief forthcoming in the near future. Imports during the period under review included five drums of cedar oil from Morocco, but it was not stated whether the oil was leaf or wood type.

Cinnamon — Two cases of bark oil entered the American market last week from Ceylon. The meager supply of this oil which has been trickling into the American market has resulted in a very tight stock situation, and there was little indication last week that the small shipment presaged any improvement. Buyer interest was withheld in all types of oil due to the inability of dealers to offer usable stocks, and the trading was dull. Prices were firm and unchanged.

Citronella — The slight advances noted in the supply position of citronella Ceylon earlier were further advanced last week by the arrival of one of the largest shipments to enter the American market since the end of the war. A total of sixty-three drums were reported to have arrived from Ceylon, and buyer interest was quickened in the hope that the stock situation would continue to ease by such leaps and bounds. Prices held firm and unchanged throughout the week.

Clove — Prices for USP clove oil were reduced 10c. per pound last week as the material was quoted in a range from $1.45 to $1.85 per pound. Stocks were, in general, tight, and it was reported from many dealers that there were backlogs of unfilled orders. Demand was excellent, and the stocks available were said to be moving very quickly into consumer channels.

Eucalyptus — In spite of improvement in the import situation from many sources, stocks continued tight last week and prices were held definitely firm. Buyer interest was well maintained and the general market attitude was that there would be relief from shortages in the not too distant future. Imports during the period under review totaled seventeen drums from Uruguay.

Lavender—Clerical errors resulted in misquoting of prices for Spanish spike oil, both pure and technical, in the last issue of this market report. Pure Spanish spike oil was offered last week at $2.05 to $3.10 per pound, and the technical grade was offered in a range from $1.05 to $2.50 per pound. Stocks of all lavender oils were undergoing gradual improvement, and buyer interest was generally high. Imports during the period under review included one drum of oil from Spain.

Lemongrass—Imports of this oil last week were slightly smaller in volume than those shipments entering the American market during previous weeks. Still, the optimism which had developed throughout the market in view of the improving situation, was not diminished in any way, and it was generally believed that stocks would continue to grow after the turn of the year. Prices were held firm by the active interest, and were unchanged last week. Imports totaled twelve drums from India.

Lemon—Steady buyer interest in both domestic and imported oils kept the market moving at a moderately active pace last week and held prices steady at the levels which had been in effect for several weeks. The import situation continued to show improvement and the trade generally anticipated further helpful developments as the situation at the primary Italian markets became clearer. Imports during the period under review included 250 quarter cases from Italy.

Lime—A large shipment of all types of lime oil arrived in the United States last week, relieving some apprehension which had been felt due to the

For Late Market Developments, See Page 4

slightly diminishing volume of recent shipments. Buyer interest was fairly well maintained, and spot stocks were said to be moving promptly. Prices were steady and unchanged. Sixty cases of distilled oil and nine cases of expressed oil arrived from Trinidad; ninety cases of distilled oil entered from the Dominican Republic; eleven cases of distilled oil were received from British Guiana, and two cases of expressed oil arrived from India.

Mace—Persistent shortages, resulting in a practically dead market, forced a further price advance of $1.00 per pound last week, establishing a range from $8.50 to $9.00 per pound. The disinterest which buyers had begun to display earlier was more prevalent last week as dealers were absolutely unable to meet the majority of requests for material. There had been no imports during recent weeks, and last week was no exception. The hope for relief was considered very dim indeed, last week, by the majority of dealers.

Marjoram—Supplies in this market continued especially tight last week, and neither dealers nor consumers could predict any definite relief in the near future. Prices were firming slightly in view of the shortages, and buyer interest was reported to be waning gradually as inquiries resulted only in further admissions that there was no material available. Imports during the period under review amounted to only two drums from Spain, a volume which had been typical of the market for many weeks.

Nutmeg—A further advance in the price for this oil was reported last week as shortages persisted and there was little hope for relief seen. The oil was advanced $1.00 per pound, establishing a range of from $8.50 to $9.00 per pound. Consumers continued to display an active interest although there was little hope of obtaining material from the majority of dealers, and some dealers reported a definite slackening in inquiry. There were no imports reported during the period under review, and all prices were firm at the new levels.

Ocotea Cymbarum—Prices in this market were reported to be firming last week in the face of a concerted demand on the part of insecticide manufacturers. Stocks were generally good, and there was a prompt movement of spot stocks. Imports during the period under review totaled thirty-seven drums from Brazil. There were no price advances noted.

Palmarosa—The market was generally dull in tone last week as there was little material available and buyer interest was gradually receeding There were no price fluctuations reported during the period under review, but there was a definite firming tendency sponsored by the shortages. Imports included only two pots from India.

Petitgrain—Trading was fairly active last week although the holiday

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Mint Oils 1946 Output Decreased

OPD Washington Bureau

The Bureau of Agricultural economics of the Department of Agriculture reports the estimated 1946 output of peppermint oil at 1,334,000 pounds, compared with the 1945 output of 1,410,000 pounds. Spearmint oil output in 1946 was estimated at 286,000 pounds, compared with 295,000 last year. The number of acres planted for both peppermint and spearmint also decreased in 1946. Details of the report follow:—

Peppermint Oil

	Acres planted 1946	Acres planted 1945
Indiana	18,000	18,000
Michigan	14,000	15,000
Ohio	*	240
California	600	650
Oregon	9,000	8,000
Washington	4,200	4,400
Total	45,800	46,290

	Oil, pounds 1946	Oil, pounds 1945
Indiana	450,000	504,000
Michigan	266,000	330,000
Ohio	*	8,000
California	16,000	24,000
Oregon	396,000	378,000
Washington	206,000	216,000
Total	1,334,000	1,410,000

* Not available for publication—only one grower.

Spearmint Oil

	Acres planted 1946	Acres planted 1945
Indiana	6,800	6,800
Michigan	2,500	2,200
Total	9,300	9,000

	Oil, pounds 1946	Oil, pounds 1945
Indiana	204,000	218,000
Michigan	82,000	77,000
Total	286,000	295,000

lull sponsored a slightly quieter tone. Buyer interest underwent further improvement as indications of a steadier supply situation raised hopes. Stocks were gradually accumulating in the American market, and indications were that trading would resume a normal appearance after the early part of the new year. Prices were steady at the levels established earlier by the reduction. Imports totaled seventeen drums from Uruguay.

Rosemary—Buyer interest was relatively unabated last week, although the Christmas holiday quieted the market slightly. Stocks were fairly tight, although it was reported that the supply position of the oil was undergoing gradual improvement. Prices were firm at the levels effected two weeks earlier. Imports during the period under review included eight drums of oil from Spain.

Sage—The market was fairly quiet last week as buyer interest was primarily of a routine nature and stocks were fairly good. Prices were held steady by the ordinary trading, and there was no variation reported. Imports included six drums of oil from Spain.

Thyme — Interest in this item was narrow last week, limiting trading, but there was enough business carried on to hold prices steady for all types of oil. Imports during the period under review totaled seven drums from Spain.

Aromatic Chemicals

The expected holiday lull seized the aromatic chemicals market last week and there was relatively little business transacted, compared, that is, to the amount of trading which had typified the market for so many successive weeks. Still, there was sufficient interest displayed by consumers to hold prices steady, and the firm prices were maintained at their breaking point by the shortages which were unrelieved.

The raw material problem has aroused considerable comment and criticism throughout the nation, but, in spite of the consideration of its various phases and aspects, there seems to have been little done about it. The aromatic chemcial industry finds itself in the unenviable position of having to rely on foreign sources for the relief of many of its shortages, and the commercial and political confusion which limits production in many of those primary markets is certainly outside the province of any influence that American producers can bring to bear. And then again, the fact that agricultural materials require growing time and cultivation and rain and fertilizer poses a problem which cannot be hurried to solution.

The development of the philosophical attitude towards the persistent shortages which has characterized the producers and consumers of aromatic chemicals merits genuine applause. There is an urgent need for many of the materials which are particularly tight, and yet the consumers have not clamored at the producers and the producers have urged delivery of raw materials in a sensible manner. Patience has been the keynote of the market attitude, and it is hoped that 1947 will find that patience rewarded.

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Petroleum Derivatives

Activity throughout the petroleum derivatives last week was tempered to a quiet tone by the world-wide celebration of Christmas. Worries about obtaining industrial materials were abandoned in the urgency of the search for last minute gifts and the last desperate attempt to obtain one of the few available bicycles for Junior. The derivatives were almost universally in better supply than bicycles, and the majority of consumers were able to fill their needs without excessive searching. Prices were steady in most of the items in this market, although petrolatums and waxes displayed a firm tone. There were no price changes noted during the period under review.

The American Petroleum Institute estimated that the daily average gross crude oil production for the week ended December 14 was 4,716,950 barrels. Daily production for the four weeks ended December 14 averaged 4,754,000 barrels. It was further reported that crude runs to stills during that week on a Bureau of Mines basis totaled approximately 4,685,000 barrels daily.

Imports during the period under review were reported to have included 186,154 barrels of fuel oil from Aruba, and 388,477 barrels of crude petroleum from South America.

Solvents and Diluents

Aromatic Naphthas — The market was fairly quiet last week as attention of buyers were turned to the more immediate needs of purchasing Christmas presents. Still there was sufficient activity to keep fairly large quantities of material moving at all centers, and prices were held steady at the levels which have been in effect for several weeks. Toluol and xylol stocks at all points were reported to be in particularly good shape, and heavy trading was anticipated in these items after the first of the new year.

Cleaners' Naphtha—There was a dull tone throughout this market last week as the only noticeable activity stemmed from the routine inquiry and delivery circling about seasonal consumers. There were moderately large stocks of material available at most points, and indications were that there would be no shortage developments so long as the market retained its quiet air. Prices were steady and unchanged.

Lacquer Diluent—The market was in good condition at all points last week, although there was the expected lull in inquiry which always accompanies a holiday period. Stocks were in good supply, and delivery on both contract and spot orders were well maintained. Prices were not displaying any tendency to change, and were steady at the levels which had been in force since the increase several weeks earlier.

Mineral Spirits—There was practically no trading in the market last week, as the already quiet tone was further muted by the holiday lull. It was reported that only moderately good stocks were available at the majority of centers, in spite of the lack of active buyer interest, and prices were barely holding steady in some quarters.

Rubber Solvent—Interest in this market was well maintained in spite of the Christmas quiet which pervaded the solvents and diluents market generally, and it was reported that large quantities moved to both contract and spot consumers throughout the period under review. Supplies were fairly good throughout the country, and the majority of inquiry was for large lots. Prices held steady to firm and without change.

Stoddard Solvent — Although the market was slightly quieter in view of the holiday, demand continued to exceed supply by a small margin. There was little tendency for buyer interest to lag, and material was moving well against both contract and spot orders in fairly substantial quantities. Prices were firming slightly as a result of the active demand, but no changes were reported during the period under review.

V.M.&P. Naphtha—Buyer interest was slightly lower last week, but this situation had been an expected holiday tendency, and it was felt that there would be a resurgence of active interest following the beginning of the new year. The derivative was reported to be in good supply at all points, and substantial shipments were being made against all orders. Prices were steady and unchanged from the levels established by the earlier advances.

Market Trends

Prices Advanced
None
Prices Reduced
None
(For Current Prices see Page 9)

Markets at Other Centers

Chicago—Call for all materials was generally good. Rubber solvent aroused particularly active inquiry.

Aromatic Naphthas — Market firm, healthy tone.

Cleaners' Naphtha—Moderate interest, unchanged prices.

Lacquer Diluent — Moderate inquiry, steady quotations.

Mineral Spirits — Good call, prices holding.

Rubber Solvent—Prices firm, excellent call.

Stoddard Solvent — Moderate buying, steady prices.

V.M. & P. Naphtha—Fair interest, steady quotations.

Los Angeles—Demand for all petroleum specialties was good. Liberal offerings gave the market a brisk tone.

Lighter Fractions

Butane—Buyer interest was fairly well maintained last week in spite of the quiet tone which prevailed in the lighter fractions market. The derivative was reported to be in fairly good supply at most points, and deliveries against both contract and spot orders were regular and in fairly good volume. Prices were steady and unchanged.

Heptane—The improving buyer interest reported earlier was retarded somewhat by the Christmas holiday, but there was, nevertheless, a decided increase in the number of inquiries made as compared to earlier weeks. Stocks were improving all along the line, and deliveries against both contract and spot orders were reported to be well maintained. Prices were steady and unchanged.

Hexane—Stocks of material were good last week, and large volume shipments were moving against all orders. Futures buying, which had been markedly improved the previous week, dropped off slightly, but this situation was attributed to the holiday and was not considered an indication of future events. Prices were steady at the previous levels.

Markets at Other Centers

Chicago—Gradual improvement shown generally. Extensive trading and firm undertone.

Butane—Unchanged prices, steady interest.

Heptane — Moderate inquiry, steady prices.

Hexane—Active interest, steady prices.

Pentanes—Inquiry holding, unchanged prices.

Propane—Fair interest, prices firm.

Los Angeles — Liquefied petroleum gases continued in good demand. Supplies were excellent.

Petrolatums and Waxes

Microcrystalline Waxes — Severe shortages continued to plague this market last week as producers were able to ship material only against previous contract orders. Inquiry for spot stocks was regular and it was reported that spot stocks were practically impossible to obtain. Delivery schedules generally were far below the pace producers had hoped to attain. Prices were very firm, but showed no change.

Paraffin—Activity in this market was practically at a standstill last week as there were no stocks to move to consumers, and buyer interest was at an unusually low level in view of the discouraging fact that attempts to acquire even small stocks were fruitless. Prices continued to firm.

Markets at Other Centers

Chicago — Buyers displayed moderate interest as business was primarily routine.

Paraffin — Good interest, unchanged prices.

Petrolatums—Moderate trading, steady quotations.

White Mineral Oils—Moderate buying, prices holding.

Los Angeles—Market as active as supplies permitted, with producers behind on orders.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended December 14 totaled 226,996,000 barrels, according to the Bureau of Mines. Compared with the total of 225,419,000 barrels for the preceding week, this represented an increase of 1,547,000 barrels, comprising an increase of 1,432,000 barrels in stocks of domestic crude and an increase of 115,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

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Molecular weight	341
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Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number,	171-179 mg. KOH per gram ester
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

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Protective Coatings Materials

The holiday spirit overshadowed market activity last week as the volume of trading temporarily dropped off slightly. However, last week could not be regarded as any criterion of the amount of trading going on and it may be safe to assume that the over-all large demand of the previous week was still in effect. Prices in general were firm although a slight advance in precipitated resinates was reported to have been effected. Shortages in most of the protective coating markets remained, although these shortages were born out of the excellent demand rather than lack of raw materials or labor difficulties.

The import situation was a little brighter in the varnish gum market last week with good shipments of natural gums and shellac arriving from the Far East. However, these shipments seem to have a cyclic movement with good shipments being reported one week and then a dearth of materials noted the following week.

The rosin export policy remains in doubt but the removal of all export controls on this commodity is expected by January 1, since the CPA recommended this change stating that supplies in all but a few grades now appear to be adequate. At present, exports of rosin and its products are regulated by the consolidated license procedure to Group K countries. The turpentine market was dull last week as demand fell off and consumers refrained from purchasing further stocks at prices that were considered to be too high.

Market Trends

Prices Advanced

Resinates, precipitated, aluminum, 1c. per lb.
Calcium, ½c. per lb.
Copper, 2¼c. per lb.
Iron, 3⅜c. per lb.
Lead, 2¼c. per lb.
Manganese, 1½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
163.8	163.8	162.9	140.2

(For Current Prices see Page 9)

Metallic Lead and Zinc

Lead—Developments in this industry were nil last week as excellent demand continued to be reported although the problem of filling this demand remained discouraging. Whatever stocks of this material became available were quickly disposed of and were eagerly sought by consumers faced with large requirements. A sizable backlog in orders existed with producers capable of filling only a percentage of these orders. Prices remained firm with the New York price of 12.55c. per pound being quoted.

Zinc—Materially unchanged from previous weeks, the market was firm with excellent demand unable to be completely satisfied with sufficient stocks. Output was good but the overall demand was too great for production that has been operating at top capacity for some months. Prices remained firm with the figure of 10.50c. per pound being quoted in East St. Louis.

Pigments

Lithopone—The market was firm as supplies found a ready outlet created by the active buyer interest and demand for this material. The extensive housing program continues to absorb large amounts of the stocks produced and probably will continue to do so through a greater portion of next year. Present scarcity of supplies can be attributed to the inadequate allocation of lead stocks to this industry. Prices remained firm during the period under review.

Titanium Dioxide—Materially unchanged from previous weeks, a tight supply situation was encountered last week as inordinate demand made short work of whatever stockpiles could be built up. Production was good but facilities for greater output were still lacking although one producer reported construction of a new plant to be coming along on schedule. Prices remained unchanged last week.

Red Lead—Last week's ¾c. per pound price advance in this commodity as a result of the pig lead advance would have been more pleasantly received if some promise of increased red lead production was attached to it. However, the supply situation continues to remain scarce and may continue to do so through a goodly portion of 1947 as the overall lead situation shows little sign of improving. Available present supplies continue to be distributed to consumers on the basis of partially filling previously placed orders. No further price changes were reported last week.

White Lead—The problem of trying to make ends meet in this market continued last week as good demand was entirely in excess of production capabilities. Good buyer interest was noted but the inability to have enough raw materials allocated to this industry curtailed production to the extent that appreciable amounts of this material were lacking. Prices were firm and unchanged during the period under review.

Zinc Oxide—High demand from both the rubber and paint industries have been and probably will continue to absorb available stocks of this material. Demand in the rubber industry is expected to increase because of the expected 50 percent increase in crude rubber production. The paint industry now desires increased supplies of zinc oxide in order to produce greater supplies of outside paint since the linseed oil situation has improved slightly. However, even though most plants are operating at full capacity, the advantage of producing higher priced and more profitable zinc materials is curtailing zinc oxide production to some extent.

Dry and Chemical Colors

Channel Black—The channel black shortage, presently at its worst state, is expected to continue well into 1947 or at least until the unusually fast production pace of the rubber tire industry slows down to its normal rate. Raw material shortages are absent but the chief factor for the shortage lies in the fact that channel black producers are unable to keep up with exorbitant demand being voiced by the rubber industry.

Iron Oxide—In considerable demand, this market continued to seek larger supplies of this material to offset the backlog of orders that has set in. Continuing to be a sellers' market, consumers were eager to purchase whatever stocks became available. Helping to relieve the situation to some extent was the reported arrival of 1,191 barrels and 625 bags of this commodity from Spain during the period under review.

Fillers and Extenders

Barytes—Adequate supplies were on hand last week to satisfy the heavy needs of the paint industry as good demand continued to be voiced in this market. Production was stated to be excellent and shortages were nonexistent. Although some officials thought that the high demand would terminate with the end of the war, this was not the case as great amounts for the post-war building program were found to be needed. Prices were firm and unchanged over the period under review.

Chalk—This market was essentially the same last week as short supplies limited the volume of trading accomplished. Good demand voiced both at home and abroad could not be completely met. Imports continued to be irregular and domestic production was incapable of caring for the total demand.

Graphite—Good shipments of this material were received in home ports last week and helped to alleviate the present tight situation that exists. From Ceylon and Italy came 4,750 bags of graphite during the period under review.

Talc—Eagerly received to help reenforce the supply situation was a shipment of this commodity totaling 1,600 bags. This shipmment was received from France.

Lacquers

Acetone—The market was firm but quiet last week as domestic demand temporarily eased. Producers strived

For Late Market Developments, See Page 4

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Mean molecular weight	330	780	940
Viscosity S.U. seconds			
at 100°F.	114	—	—
at 210°F.	40.6	942	3330
Specific gravity 60°/60°F.	.831	.881	.894
Refractive Index (20/d)	1.4655	1.4918	1.4959
Color, N.P.A.	2	2	3
Pour point (ASTM)°F.	—65	+20	+35
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to fill some of the orders already placed as supply shortages continued. Export demand remained unabated although only a portion of this was capable of being filled. Prices were firm during the period under review.

Butyl Acetate—Following the tendency of other markets to become quiet at this time of the year, last week's butyl acetate market was dull although producers continued to try and fill previously placed orders with the materials on hand. Improved production in 1947 was looked for although it was felt that this was dependent on what would happen in the acetic acid market. No price changes were reported during the period under review.

Butyl Alcohol—Given temporary relief by the tapering off of demand last week, producers tried to make some headway against the large number of unfilled orders that have accumulated. The lack of large enough stocks continued to be attributed to the limits forced upon the industry by the absence of adequate production facilities. Raw materials were declared to be sufficient but the over-all large demand made it impossible to complete all orders placed. Greater production in 1947 was forecast since bountiful grain crops were witnessed this year and were expected to continue. Prices remained firm during the period under review.

Pyroxylin—The 7,479,845 pounds of pyroxylin spread during October was nineteen percent more than the 6,287,078 pounds spread in September. Total spread for the first ten months of the calendar year amounted to 64,946,336 pounds, an increase of 17,727,280 pounds over the same period in 1945.

Driers and Flatteners

Naphthenates—A firm market was witnessed last week as good production was at hand to satisfy consumers who showed good interest in the market. Adequate stocks were available and shortages were absent. It is the hope of the industry that this situation continues to prevail well into next year. Plants were operating at full capacity with the pleasing result of enabling producers to adequately make the supply and demand problem balance. Although no price change was announced last week, prospects of an advance in the near future due to the increased prices of some metals continue to be heard.

Resinates — Fused resinate stocks continued to be in good supply with producers capable of meeting buyer's demands with no difficulty. On the other hand, precipitated resinate stocks were declared by one producer to be from thirty to sixty days behind in shipments as good demand made it difficult to obtain adequate stocks.

Announcement of a price advance for precipitated resinate stocks was made by one producer last week with the following prices being quoted:—Aluminum resinate, 19½c. per pound; calcium resinate, 19c. per pound; copper resinate, 20½c. per pound; iron resinate, 21c. per pound; lead resinate, 22½c. per pound; manganese resinate, 19c. per pound. The above prices are for 100 pound drums.

Stearates—The stearate supply picture was unchanged last week as only small quantities of stearic acid continued to be available for production. Producers declared that consumer demand was far in excess of materials on hand. No hope of immediate relief with regard to greater stearic acid production was held although producers have not been lost in complete despair as yet. No further price changes were reported last week.

Varnish Gums

Copal—Although substantial shipments of this commodity have not been steadily arriving in this country, each shipment indicates the slow return of this industry to its normal pre-war state. Shipments received in this country last week from the Philippines amounted to 288 bags.

Dammar—Eager buyers sought spot stocks of this material as 200 cases and 902 bags of dammar from Singapore were received in American ports last week.

Elemi—Although only 12 drums of this material were reported to have been received is home ports from the Philippines during the period under review, these shipments held promise of greater and more consistent shipments to be received during the coming year.

Shellac — Generally reflecting the business attitude at this time of the year, the shellac market was declared to be quiet last week. The market continued to fluctuate as varying prices and grades of material available made it difficult to assume a stable attitude. Producers and consumers alike continued to buy only those stocks that were actually required rather than purchase large amounts of high priced materials. Adequate amounts of shellac were on hand but difficulty continued to be experienced in the processing of these materials as shortages of the chemical reagents required—chlorine, caustic soda, soda ash—remained in evidence. A more stabilized and healthy market is expected with the coming of the new year and producers expressed the belief that price reductions would be forthcoming.

Good shipments of shellac were received from India during the period under review with the following amounts reported to have arrived:—Garnetlac, 75 bags; seedlac, 2,600 bags; shellac, 5,060 bags.

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Naval Stores

Rosin—The market was firm last week with good demand being voiced although offerings continued to be rather limited. Export demand remained brisk as industry officials awaited the result of government discussions concerning the export situation. Rosin and rosin products have been included in the list of chemicals that may be exported to Group K countries under the consolidated license procedure. However, on the recommendation of the CPA, export controls on rosin may be removed by the government by January 1.

A record of the Savannah rosin market for the week ending Friday, December 27, will be found on page 4.

Turpentine—Demand was reported to have tapered off considerably last week and was generally regarded as poor. Chief factor for this was the action on the part of consumers to previously purchase stocks at the high prices then being quoted. As a result, distributors and consumers alike were reported to have sufficient stocks for their needs on hand and were unwilling to purchase further stocks. Although the present price of turpentine is low when compared with the prices effected immediately after decontrol, producers stated that the price was still too high and would do little to promote active interest in the market.

A record of the Savannah turpentine market for the week ending Friday, December 27, will be found on page 4.

Glues and Binders

Bones — Imports of this glue raw material reported to have been received in American ports during the period under review amounted to 1,641 bags from Brazil and Argentina.

Casein — Although 4,757 bags of casein were reported to have been received in American ports during the period under review, the Argentine casein export situation continues to remain in doubt as strained relations between local farmers and the government export institution were reported to be in evidence once again. Price differences arising out of the amount paid to the farmers and the amount received by the government for the sale of casein remained the major difficulty. Consumers of imported casein were hoping for an improvement in the situation with the coming of the new year although no concrete foundation for such an improvement was at hand.

Good news to this material-starved industry was the report that domestic casein production was on the rise because greater amounts of powdered milk were being diverted to this field. However, there was no certainty that this condition would continue for any extended length of time.

Glue — Although CPA restrictions governing the use of hide glue stock were revoked on December 5 because of a supposedly greater supply of such material due to the present good rate of animal slaughter, glue producers were wondering where this material was as they continued to be plagued by a distinct shortage. However, the heavy demand being voiced in this market would make it extremely difficult ever to obtain all the raw materials necessary for desired production. Shipments reported to have been imported here during the period under review amounted to 848 bags from Brazil and Chile.

Gelatin — Shipments reported to have been received in American ports during the period under review amounted to 398 bags. These shipments arrived from Belgium.

Synthetic Resins

Difficulty in obtaining raw materials even at rising prices have forced resin prices temporarily. Purchases of those materials that have been available were made on a "spot" basis and generally will continue that way until some semblance of stability is reached. With the hope that materials and prices will become somewhat steady in 1947, contracts for some of the more fortunate resin products may be written at the first of the year. Generally speaking, an average price increase of ten percent may be expected in some products although producers are striving to hold the line against such advances.

Polystyrene — October production showed a decided increase over September with 9,166,486 pounds being produced compared with September's total of 5,347,902 pounds.

Urea and Melamine Resins — Production of these commodities during October amounted to almost double the September total. An aggregate of 6,380,882 pounds was produced compared with September's total of 9,893,352 pounds.

Trade Briefs

American Can Company has shifted A. Hartung from the Detroit to Chicago sales office and Roland Falk from Chicago to Detroit.

Gagnier Paint Company, Detroit, has appointed R. C. Harwood secretary-treasurer. He formerly was with Acme White Lead & Color Works.

Krumbhaar Chemicals, Inc., South Kearny, N. J., announces the appointment ofe Charles Tennant & Co. (Canada), Ltd., as its exclusive representatives for the Dominion of Canada, as of January 1.

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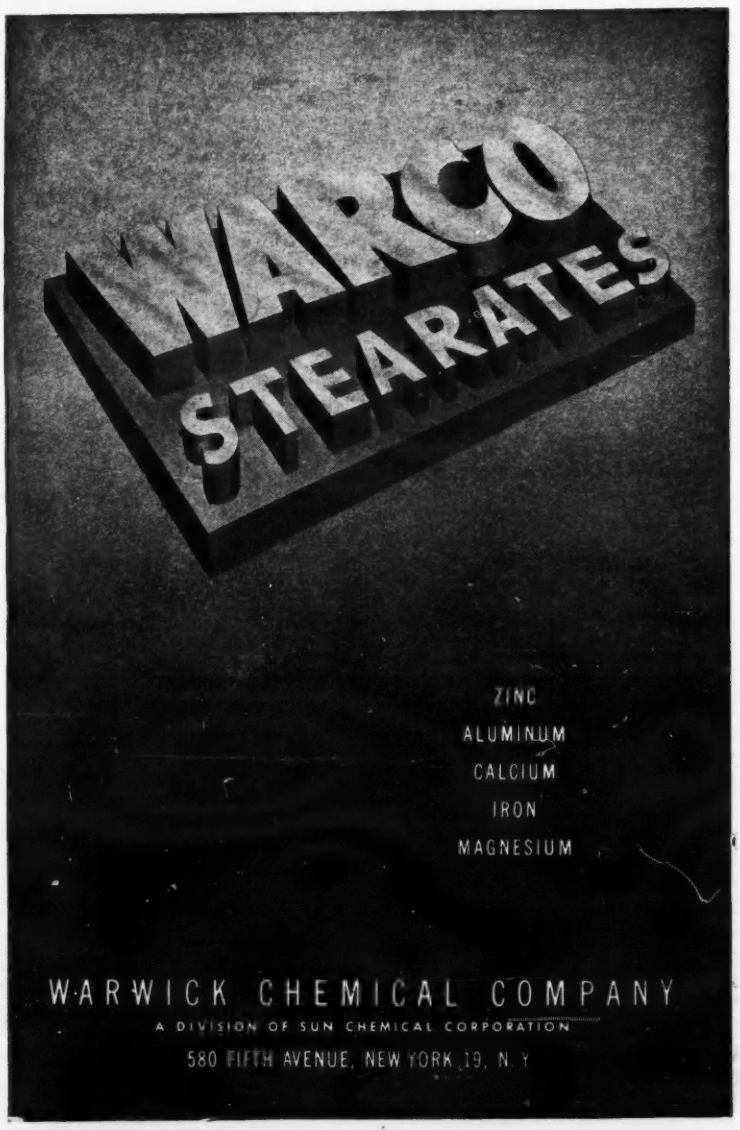

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Paint Making Methods Of I.G. Farben Told

OPD Washington Bureau

Raw materials and equipment used by Germany's I. G. Farbenindustrie in making paints, varnishes, and lacquers, are described in a collection of microfilmed documents now on sale by the Office of Technical Services, Department of Commerce.

All but one of the papers are in German. They were mecrofilmed in Germany by American investigators. Among the products described are atephen, desmodur, desmophen, and a plastic paint of polyvinylacetate, also known as vinylite. Various types of roll mills used in the paint, lacquer, and printing industries are also described in the documents.

The seventy-six page collection (PB-13094; "Special Raw Materials and Equipment for Paints, Varnishes, and Lacquers: I. G. Farben;" microfilm, $1.75; enlarged prints, $8.50; dated December, 1945) includes drawings, photographs, and tables of data.

Orders for reports should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Warwick Forms New Finishes Department

The Warwick Chemical Company Division of Sun Chemical Corporation, announces the creation of a coated finishes department, with Justus Hoyt as manager. Mr. Hoyt has been transferred to Warwick from the parent company.

Warwick also announces that Ira S. Hurd, who came to the firm last year, is assuming the position of assistant sales manager in charge of textile sales and technical development.

In New England, Warwick has added Willard Brothers to its sales staff. Mr. Brothers was with Wanskuck Company-Geneva Mills before the war, and after discharge from the Navy in December, 1945, entered Warwick's sales and technical training course.

David E. York has been appointed regional sales manager in charge of the Philadelphia office. Assisting him in the sales capacity is Max Lane and in a technical capacity, Robert T. McGuire.

Du Pont Reassigns McMillan and Booth

Appointment of John H. McMillan as sales representative on pigment colors for the southeastern coastal states and part of Philadelphia, effective January 1, was announced today by the pigments department of E. I. du Pont de Nemours & Co., Wilmington, Del.

It was also announced that after the first of the year Don C. Booth will represent du Pont on white pigments only in the same territory. Previously Mr. Booth was representative for pigment colors as well.

Mr. McMillan has been stationed at the du Pont pigments plant in New ark, N. J., since 1935. He has worked as a research chemist on dry colors since 1943.

Balto. Production Club Studies Chemists' Responsibilities

Baltimore Paint and Varnish Production Club held its monthly meeting at the Sheraton-Belvedere hotel, with the feature of the meeting being the approval of a record number of applicants for membership. Ralph Lamenzo, of the H. B. Davis Company, and club president, spoke on "The Increasing Responsibility of the Paint Chemist."

A.S.T.M. Plans Paint

—Continued from page 7

who have devoted much time and study to the use of statistical analysis and quality control methods will cover a general introduction, application of statistical methods and the analysis of paint exposure data.

Leading off the symposium in the morning will be an address by John C. Moore, president of the Federation of Paint and Varnish Production Clubs, and an active member of committee D-1, on the subject "Test Methods and the Paint Industry." All sessions will be held at the Benjamin Franklin hotel.

Exercises in connection with formal dedication of the headquarters building will be held on February 26, to be followed by a dinner at the Benjamin Franklin hotel.

Trade Briefs

Anderson Specialty Manufacturing Company, Chicago, is ready to launch a nation-wide sales campaign on a new war-developed non-inflammable paint remover called 'Zip-Off,' and a powdered plastic known as 'Tec-Stone Wood Replacer.'

Pantasote Company, manufacturer of coated fabrics, Passaic, N. J., has filed with the Securities & Exchange Commission a registration statement covering 50,000 shares of common stock, $1 par value. The proposed offering constitutes new money financing on behalf of the company. Proceeds will be used principally for the purchase of new equipment and for the construction of a warehouse.

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German Zinc Smelting Processes Data Offered

OPD Washington Bureau

An analysis of zinc smelting practices in the American and British occupation zones in Germany is contained in a British report now on sale by the Office of Technical Services, Department of Commerce.

The study was made by investigators for the British Intelligence Objectives Sub-Committee in September and October, 1945. Seven works were visited, including Unterharzer Berg-und Huettenwerke at Oker and Harlingerode; Berzelius Metallhutten at Duisburg and Wanheim; Zinkindustrie Vormals Wilhelm Grillo at Hamborn; Altenbergs at Essen and Borbeck; Stolberger Zink at Nievanheim; Stolberger Zink at Munsterbusch; and Metallwerke Unterweser at Nordenham.

The investigators conclude that German zinc metallurgy was not of a particularly high standard. Nevertheless, the report contains data on production methods and costs of interest to British and American industry. During the war the output of pure refined zinc in Germany rose sharply as the metal was used widely in place of copper and brass.

Orders for the report ("The German Zinc Smelting Industry"; PB-27709; photostat, $14; microfilm, $5; 206 pages, including tables, drawings, plant layouts, flow sheets, and photographs) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Reichhold Building Brazilian Resin Plant

Reichhold Chemicals, Inc. is constructing a resin manufacturing plant in Rio de Janiero. The Brazilian company, Reichhold Chemica Industrial (do Brasil) will be headed by Dr. Mario de Oliveira Brandao and H. G. Levy, officers of James Magnus Ltda., Reichhold's present Brazilian agent.

Production of the Rio plant is estimated at 1,500,000 pounds of resin annually but its construction is being arranged to permit the installation of additional kettles should an increased output be called for.

Calif. Standard Offers Industrial Research Data

How to organize a working industrial research department is the subject of a new handbook just published by the Standard Oil Company of California under the title, "The Coordination of Motive, Men and Money in Industrial Research."

Reflecting the interest of modern business and industry in the use of science to develop new products, processes and markets, the survey on which the handbook was based enlisted the experience of the Dow Chemical Company, General Electric Company, Gulf Oil Corporation, Socony-Vacuum Oil Company, Standard Oil Company (Indiana), Sun Oil Company, The Texas Company, Union Oil Company of California, United States Rubber Company and the Armour Research Foundation of the Illinois Institute of Technology.

The handbook is being made available to management, interested businesses, educators and to those interested in organization and research generally.

Topics covered include the origins of science, technical research and laboratories; industrial research motives; general organization and coordination; management guides for executives and key staff personnel, and the provision of funds and their control.

Northwestern Production Club Entertained by Minn. Mining

Northwestern Paint & Varnish Production Club, St. Paul-Minneapolis, Minn., was entertained by the pigment division of the Minnesota Mining & Manufacturing Company before its recent regular monthly dinner meeting.

Percy Eddy, new club president, appointed committees during the meeting, and it was voted to invite the Chemist's Forum to meet jointly with the club in February. M. C. Slack, Federation convention representative, reported on the activities at the November national convention at Atlantic City, N. J., explaining in detail the voting on the new by-laws.

R. F. Sheahan, head of pigment sales for Minnesota Mining & Manufacturing Company, briefly reviewed the history of developmental work in synthetic iron oxide, and a group of three new synthetic pigments developed by the division were introduced.

Shell Chemical Plans Solvents Output Increase

A $2,500,000 expansion program which is expected to increase Shell Chemical Corporation's capacity to produce methylethylketone and secondary butyl alcohol by 150 percent is now well underway, J. Oostermeyer, president of the company, announced recently.

The expansion program is said to be directed chiefly toward the installation of facilities for the production of these chemicals at the corporation's Houston, Tex., plant and, since this company is already a leading producer of these synthetic chemicals, will greatly strengthen its position in the field. Contractor for expansion of the Houston facilities is to be C. F. Braun & Co. Maximum production is scheduled to be attained by third quarter, 1947.

Automotive Solvent Products Name Changed

The Stanton Company, formerly Automotive Solvent Products Company, recently announced the adoption of the new name and the reorganization and incorporation of the company. Edward C. Stanton, founder of the company, remains in charge of formulas, production and quality products.

Eugene N. Baker continues as general manager and sales manager of the company, and Howard Klemm remains in charge of plant production and as assistant to Mr. Stanton. Boyd Aldrich, in charge of the reorganization and administration, is an officer of the corporation as are Mr. Stanton and Mr. Baker. The company has moved from Robbinsdale, Minn., to a larger plant at 3924 University avenue, Minneapolis, Minn.

Lamex Moves

Lamex Chemical Corporation, New York, has removed its executive offices from 494 Hunts Point avenue, the Bronx, to 19 West 44th street, New York City. Telephone number is MUrray Hill 2-0040.

Interchemical Realigns Pac. Coast Division

Interchemical Corporation, in order to consolidate its Pacific Coast operations, has transferred the business and personnel of Scriver & Quinn, Inc., a West Coast subsidiary, to two other divisions. Industrial finishes formerly sold by Scriver & Quinn will be sold by Interchemical Corporation-Scriver & Quinn Finishes.

Trade Briefs

Swift & Co. will build an adhesive plant in Vernon, Calif.

U. S. Gypsum Company, Chicago, will build a new gypsum plant at Sigard, Utah, on a site of 920 acres situated 130 miles south of Salt Lake City.

J. Lee Smith & Co., importer and manufacturer of dry colors, New York, will move its office to 25 Ann street on January 1. The telephone number remains Beekman 3-0457.

Daniel J. Devlin, general manager and vice-president of the Marine Paint & Varnish Company, New Orleans, has been named president of the New Orleans Association of Commerce for 1947.

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(All Colors)
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Cottonseed Oil Fatty Acids
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Specialty Fatty Acids
GLYCERINE — PITCH — WHITE OLEINE
FACTORIES
DOVER, OHIO
LOS ANGELES, CALIF.
TORONTO, CANADA

Oils, Fats and Waxes

Business in oils and fats was quiet last week. Market continued in a firm position. Production of domestic vegetable oils was sold well ahead and there is a marked scarcity of imported oils and fats. It was estimated that about 90 percent of the cottonseed oil and 75 percent of soybean oil productions were sold ahead. Peanut oil output in the South was reported sold through next February.

Higher prices were quoted for Philippine copra for shipment and prices were advanced several dollars per ton. Crude coconut oil for nearby shipment was offered more freely at slightly lower quotations.

Limited quantities of edible olive oil on the spot were firmly held. Arrivals have been steadily reduced during the past fortnight. Actual offerings of new crop Spanish olive oil were reported unavailable as yet and latest reports indicated a large production for this season.

Number of pigs saved in 1946 was about 4 percent smaller than in 1945; a result of an increase of about 1 percent in the spring crop and a decrease of 11 percent in the fall crop, it was reported by the Bureau of Agricultural Economics. Pigs saved in the fall of 1946 is estimated at 30,627,000. This is 11 percent less than in the 1945 fall crop and 5 percent below the 1935-44 average. Combined spring and fall pig crop of 1946 is estimated at 83,201,000, which is about 4 percent below the 1945 crop and is the smallest since 1940, but about 1 percent larger the 10-year average.

More than 40 percent of Norway's production of 83,615 tons of whale oil has been set aside for that country's margarine industry and before the end of the year Norwegians will have consumed 34,000 tons of whale fat. Vegetable oils and butter have been so limited that without the resources of whale oil, a serious edible fat shortage might have developed. An increasing number of uses for both fish and whale oils are being found in Norway at the present time.

Market Trends

Prices Advanced

Copra, $6 per ton, Pacific coast
Copra, $4 per ton, Atlantic coast
Olive oil, edible, 25c. per gallon

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
283.5	283.5	285.6	193.3

(For Current Prices see Page 9)

Cottonseed Oil

Holiday quietness dominated the market last week. Prices were steady and scattered sales of crude oil were noted at 27c. per pound, f.o.b. mills in the South. Most of the mills were shut down during the holidays. However, the bulk of this season's oil production was reported sold with estimates ranging from 85 to 90 percent of the crop booked for shipment.

Trading in refined bleachable oil was at a standstill on the New York Produce Exchange last week.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended Thursday, December 26, follow:—

	Sales	Cents per pound High	Low	Close
January	..	..	..	28 bid
March	..	..	..	27 bid
May	..	..	..	25.80 bid
July	..	..	..	25 bid
September	..	..	..	21.60@23
October	..	..	..	21 ask
November	..	..	..	20 ask
December	..	..	..	20 ask

Total sales, none.

Crude oil quoted at 27c. per pound, tankcars, f.o.b. mills, Southeast and Valley.

Linseed Oil

Close to 10,000 tons of recently-arrived Argentine linseed oil was allocated to crushers for distribution to consumers at about 34¾c. per pound, loose, f.o.b. Jersey City, last week. Some sales of this oil were reported at 36.2c. per pound, in tankwagons. Oil stocks here were negligible, and with demand exceeding the supply, the market was firmer though quotations were entirely nominal at 35.6c. to 36c. per pound, tankcars, according to seller and buyer. Crushers, however, were not offering. Another shipment of 9,900 tons of Argentine oil was reported afloat and due to arrive after the turn of the year. Arrivals of 715 drums of Uruguayan oil were noted at New York last week and were consigned on former contracts.

Seed markets were quiet, but firm, with crushers bidding $7.25 per bushel for all positions. Light offerings of seed continued to restrict trading.

World production of flaxseed in 1946 is estimated at 141,800,000 bushels, which is 7 percent above the 1945 crop and 4 percent larger than 1935-39 production of 136,800,000 bushels. The preliminary estimate is higher than the September forecast largely because of the increases in the South American countries where acreages were increased and yield prospects are exceptionally good, it was reported by the Department of Agriculture. World acreage in 1946 was about 19,500,000 acres, almost the same as in 1935-39. Decreases of 1,300,000 acres in Argentina and 500,000 acres in India were offset by increases in the United States and Canada.

Minneapolis, Dec. 24.—There appeared to be an unending demand for linseed oil but crushers in the Northwest area were unable to offer anything out of their current crush, which is all being applied against old contracts. Prices were highly erratic and it was difficult to establish any kind of a basis as each individual trade was based on its merits and on what the buyer would pay. The nominal going price for oil was 36c. a pound or over in zone 1 for the first quarter of the new year with a discount of possibly ½c. for April-June and an additional ½c. to 1c. for July-August.

There is nothing official about these prices, but they do represent the thinking of some in the trade.

Shipments of linseed oil, in pounds, were as follows:—

	1946-47	1945-46
This week	3,660,000	4,260,000
Since Sept. 1	99,660,000	114,268,000

Flaxseed—Seed receipts were limited and promptly taken at the current price of $7.25 per bushel.

Minneapolis, Dec. 24.—Seed remained steady and unchanged through the holiday period, crushers still avid buyers of the cash seed and continuing to offer $7.25 per bushel right across the board. Interest in to arrive offerings continued brisk and the spot price prevailed on to arrive offerings as crushers made their bid for flaxseed, which it is hoped will be shipped after January 1. There was only a limited amount of seed remaining in the country but market analysts are of the opinion that there will be a little flurry of business immediately after Jan. 1, when income tax liabilities for producers will probably be lower.

Reports from Argentina are anything but encouraging with rain delaying harvest operations and causing deterioration of quality of the linseed harvest. It was not expected that the United States would receive any great percentage of the South American seed but with present harvest reports the last hopes of those that thought we might receive some, went glimmering.

Bushels—	Receipts 1946-47	1945-46	Shipments 1946-47	1945-46
This week	124,000	70,000	.....	3,000
Since Sept. 1.	8,959,000	16,180,000	4,054,000	2,815,000

Flaxseed was quoted at $7.25 per bushel for spot delivery at Minneapolis and Duluth.

Buenos Aires, Dec. 27.—No flaxseed shipments were made last week. Visible supply of flaxseed was not available.

London, Dec. 27.—Linseed oil spot quoted at 135s. per 112 pounds.

Other Vegetable Oils

Castor, Dehydrated—This market remains firm and reflects the strength and scarcity of castor beans. Demand was active with trading restricted owing to limited offerings of all grades.

Coconut—Business was quiet and under increased offerings, the market was slightly easier. Light sales for crude oil were reported at 17¾c. per pound, tankcars, Pacific coast, February-April shipment. Copra shipments from the Philippines were higher and were named on the

For Late Market Developments, See Page 4

basis of $205, Pacific coast and $207 per short ton, Atlantic coast. Arrivals of copra totaled 2,120 tons at New York last week for delivery to crushers. Because of the heavy foreign demand and high world prices for copra and coconut oil, Philippine government representatives have urged coconut oil refiners and copra producers to increase the output in 1947 to meet the increased demand. It is estimated that the Philippine copra production in 1947 may total 500,000 tons and coconut oil 250,000 tons. Exports of copra and coconut oil from the Islands in 1946 were estimated at 557,000 tons, compared with 543,000 tons in 1941.

Corn—Trading was quiet, with the market unchanged and steady. Crude oil was quoted at 27½c. per pound, tankcars, f.o.b. mills. Supplies of crude and refined were limited.

Oiticica—Conditions were firm in this market. Supplies here were scanty and firmly held at former levels. Offerings for shipment from Brazil were unavailable. Consuming inquiry was active for replacement for next year's requirements.

Olive—While demand for oil on the spot was quiet, limited quantities were firmer at $8.25 to $8.50 per gallon, in drums, duty paid, according to quality and quantity. Imports totaled 214 drums at New York from Spain last week for delivery against former contracts.

Peanut—Buying interest continued brisk. Crude oil sales were transacted at 27½c. per pound, tank cars, f.o.b. mills. Most crushers were reported booked solid through February. Total production through November 21 was reported at 21,400,000 pounds, compared with 25,309,000 pounds last year. Stocks on hand in November were 5,719,000 pounds against 5,114,000 pounds a year ago.

Rapeseed—Recent offering by CCC of 860 tons of government-owned oil recently offered for sale were sold at 29c. to 31c. per pound, in bulk, f.o.b. Guttenberg.

Soybean—Trading was quiet. Market was firm. Crude oil was quoted at 24c. per pound, f.o.b. mills, February shipment; March, 23c.; April-May, 22c., and April-September, 21c. Offerings for prompt and nearby shipment were limited owing to the sold-up production. It was estimated that about 75 percent of the 1946 production was sold ahead, and that 80 to 85 percent of beans were taken.

Tall—Demand exceeded supplies last week. Refined oil was scarce and closely held at current quotations. Producers were not offering crude oil.

Tung—Business was limited last week, but the market was firm and unchanged. Offerings from China were light and generally held above the quotations here. Tankcars were quoted at 38⅜c. per pound, and drums, carlots, 39½c. per pound.

Los Angeles, Dec. 25.—Vegetable oil market remains firm with continued scarcity of stocks. Prices were unchanged. Ruling prices for tankcars were:—

Chinawood, 38c. per pound; coconut, crude, 19c. per pound; cottonseed, bleachable, 27c. per pound, f.o.b. Texas; mustard seed, 20c. per pound; peanut, crude, 27c. per pound f.o.b. Texas; sesame seed, crude, 30c. per pound; soybean, 23½c. per pound; castor, prime, cold pressed, 36c. per pound, drums included.

Fats and Greases

Greases—There was little doing in this market last week. Prices were well held for all grades. Withdrawals in good request against contracts. Choice was quoted at 22c. per pound; yellow, 21c. per pound, and choice at 20¾c. per pound, loose.

Lard—This market was quiet and prices were unchanged and steady. Refined lard was held at 25c. to 25¼c. per pound, in tierces, Chicago.

Tallow—Deliveries against contracts continued active. Business was quiet. Prices were unchanged and steady for all grades. Extra was held at 21¾c. per pound, loaose, for January delivery. Other grades were unchanged.

Animal Oils

Degras—Market was steady, with trading confined to small lots for actual needs. Prices were unchanged and steady.

Grease Oil—Producers restricted offerings owing to the light production. Inquiry was quiet. Prices were firm. Winter strained was quoted at 27c. and prime burning at 27½c. per pound, tankcars, Chicago.

Neatsfoot Oil—Supplies continued scarce. Trading was restricted to small

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lots and quotations were entirely nominal.

Oleo Oil—Business was quiet. Market was fairly steady and quoted at 27c. per pound, loose, Chicago, and 28c., New York basis.

Fish Oils

Menhaden—Trading was dull, though buying interest was fairly active. Offerings continued scarce. Prices were unchanged and firm.

Baltimore, Dec. 24.—Menhaden fishing companies operating in North Carolina waters have taken a vacation over Christmas. The fishing companies see no very conclusive prospect of producing enough oil to meet their contract requirement, and are not averse to a suspension of activity, with the outlook no better than it has been of late. The indications, therefore, are that operations for 1946 are pretty well over, unless the unexpected should happen and temperatures and climatic conditions should combine to make further effort exceptionally encouraging. Market for menhaden oil seems to have settled down to the level of 18c. to 19c. per pound for crude. Demand continues active, with potential buyers ready to place orders if producers will accept them.

Sardine—Offerings of crude and refined oils continued scanty. Market was strong at former quotations.

Los Angeles, Dec. 24.—Supplies continue to run far short of the heavy demand. Landings are off. The catch for the season to December 20 was 190,425 tons, compared with 353,999 tons last year.

Fatty Acids

Red Oil—Deliveries against contracts were in active request. Prices were steady. Production was sold well ahead.

Stearic Acid—Firm conditions continued to feature the market. Production was readily absorbed against current contracts. Offerings were limited and maintained at former quotations.

Chicago, Dec. 28.—Market quiet but steady. Prices were:—Corn oil, double distilled, Chicago, nominal, 26½c. per pound, tankcars; 27¼c., drums, carlots; coconut oil, distilled, 29c., tankcars; 29½c., drums, carlots; cottonseed oil, double distilled, 28½c. per pound, tankcars; 29¼c., drums, carlots; settled cottonseed soap stock, 60-62 percent basis, 12c. to 13c.; boiled down soap stock, 63 percent basis, nominal, 14c. to 15c., drums; cottonseed foots, 50 percent basis, 8½c. to 9c., tankcars.

Cake and Meal

Cottonseed Meal—Inquiry slackened last week. Last sales of 41 percent cake in slabs noted at $70 to $72 per ton, Valley, for December and January shipments. Meal, 41 percent, was sold at $81 per ton, bagged, in the Southeast, to the fertilizer trade. Supplies at present appear adequate despite the smallness of the crop.

Linseed Meal—Trading improved at $80 per ton, f.o.b. western mills, last week.

Minneapolis, Dec. 24.—Demand for meal perked up considerably and prices were back to the $80 per ton level, bulk, in carlots, f.o.b. Minneapolis. Buyers seemed to be anxious for supplies and instructions were in good volume.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week	7,660,000	6,180,000
Since Sept. 1	131,580,000	169,260,000

Peanut Meal — Demand increased from the feed and fertilizer trades. Meal, 41 percent was well held at $70 per ton, bagged with last sales noted at this figure. Mills were operated at capacity and production exceeded sales and shipments.

Soybean Meal—Business was dull. Meal 41 percent was quoted at $71 per ton, bulk, f.o.b., Decatur. January shipment and January-March at $70.50, same basis.

Waxes

Beeswax—Market was steady, though trading was inactive last week. Primary markets were firm and this was reflected in the spot situation. Prices were maintained at former levels.

Candelilla—Light supplies on the spot were well held at former quotations. Business was limited to immediate needs.

Carnauba—Business was slow last week, with quotations fairly steady and unchanged for all grades. Brazilian market was closed for the holidays and merely nominal at former levels.

Montan—Arrivals of 405 bags were reported at New York last week and consigned on previous contracts. Spot stocks were reported limited and firmly held. Recent export business cleared the spot market of surplus supplies.

Ouricury—There was little doing in crude and refined wax for spot delivery. Prices were fairly steady and unchanged.

Lever Bros. Names Stege Sales Head

George R. Stege, jr., has been appointed director of sales for the Pepsodent division of Lever Brothers Company, Cambridge, Mass. Mr. Stege replaces Phil Kalech, who will leave the organization December 31 to become executive vice-president and general manager of Toni Company, St. Paul, Minn., and will be charge of all phases of the company's sales operations. Mr. Stege joined Pepsodent in 1943 and has recently been the company's director of advertising and merchandising. He has been succeeded as director of advertising by Frank R. Brodsky.

Trade Briefs

Olive Oil crop in Turkey in 1946 recently was estimated at about 35,000 metric tons, compared with 32,000 tons in the preceding season.

American Oil Chemists' Society has changed the name of its publication from Oil & Soap to the Journal of the American Oil Chemists' Society.

K. C. Working Chemical Company will build an addition to its soap factory building in Long Beach, Calif., at a cost of approximately $50,000.

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Obituaries

Edward J. Allee

Edward J. Allee, advertising manager of the Pittsburgh Plate Glass Company's paint division, died December 23, at the Allegheny General hospital, Pittsburgh.

Starting with the company in 1912 as stenographer to the late Fred Ehle, vice-president of the Pitcairn Varnish Company, Mr. Allee has been associated with the firm for thirty-four years. He has been manager of paint advertising since 1919.

Kenneth Peck

Kenneth Peck, treasurer and assistant secretary of the U. S. Industrial Chemicals, Inc., New York, died at his home in Huntington, L. I., December 24, after an illness of several months. He was forty-six years old. Mr. Peck joined the company in 1936 and was elected treasurer in 1941.

Leonard Richards

Leonard Richards, vice-president of the Atlas Powder Company, Wilmington, Del., died in Philadelphia December 26. He was sixty years old. Mr. Richards graduated from Yale and entered his father's firm, Richards & Co., manufacturer of artificial leather and lacquer, Stamford, Conn. The company was sold to Atlas in 1916 and was moved to Wilmington.

Robert S. Bruns, who retired as auditor of the Corn Products Refining Company, New York, last June, died in Hackensack, N. J., December 22. He was seventy-three years old.

Andrew J. Doremus, retail and wholesale oil merchant of Staten Island, died of a heart attack December 22. He was seventy-five years old.

Frederick Feihl, a member of the supervisory staff of the American Cyanamid Company in Linden, N. J., died in Union, N. J., December 19. He was fifty-three years old. Mr. Feihl had been with American Cyanamid for twenty-eight years.

Leo A. Jutz, assistant secretary and treasurer of the Mound City Paint & Color Company, St. Louis, died December 24. He was forty-six years old.

William V. Thraves, former oil operator, died at his home near Lexington, Ky., December 22. He was seventy-three years old.

U.S. Commerce Chamber

—Continued from page 5

long-standing definition of interstate commerce and thus prevent the progressive extension of the coverage of the law in unwarranted directions.

An amendment to afford relief to an employer from mandatory double liabilities where an unwitting violation or other mitigating circumstances are found.

An amendment to authorize employers and employees to make compromise settlements in cases of bona fide disputes arising under the law. As it is now, the courts will not recognize the validity of such compromise settlements if cases come before them.

Holiday Mementoes Received

With grateful appreciation to its friends, OPD here acknowledges the receipt of holiday greetings and expressions of goodwill from the following:—

American Key Products, Inc., New York.
Canada Varnish Company, Leaside, Ont.
Ciba Pharmaceutical Products, Inc., Summit, N. J.
Cochrane Corporation, Philadelphia.
Harry Cohen, Atlanta.
Columbus Varnish Company, Columbus, Ohio.
Commercial Solvents Corporation, New York.
El Credito Minero y Mercantil, S.A., Mexico, D.F.
Dow Chemical Company, Midland, Mich.
Fallek Products Company, New York.
Foreign & Domestic Trading Company, San Francisco.
Geigy Company, New York.
D. W. Haering & Co., Chicago.
Hanna Paint Manufacturing Company, Columbus, Ohio.
Hard Chemical Works, Mexico, D.F.
Hayes Lawrence, Inc., New York.
Industrial Raw Materials Group, New York.
Lotte Chemical Company, Paterson, N. J.
Maxim Chemical Company, New York.
Michigan Chemical Corporation, St. Louis, Mich.
William D. Neuberg Company, New York.
Philadelphia Quartz Company, Philadelphia, Pa.
Ranno Printing Company, New York.
Raytheon Manufacturing Company, New York.
Root-Mandeville Advertising Agency, Chicago.
Seldner & Enquist, Inc., Brooklyn.
Shepard Chemical Corporation, New York.
James B. Sipe & Co., Pittsburgh.

Robinson Wagner Plans Increased Lanolin Output

Plans for increasing lanolin production facilities at its Mamaroneck, N. Y., plant have been announced by the Robinson Wagner Company. The company also plans to put into production several lanolin derivatives in 1947.

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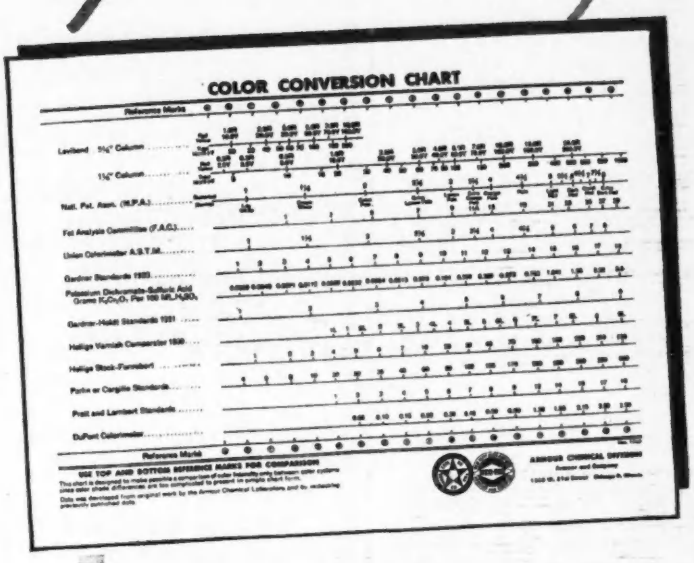

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AUTOCLAVES
- 1 Blaw-Knox Pressure Tank, 8' x 39'6", shell 1-3/32", 200 lbs., ASME.
- 1 Impregnator, Fumigator, or Pressure Tunnel, 7' x 7' x 50' with rails, vacuum pump and accessories.
- 1 Vertical, 4' x 7'6", Forge Welded Steel, 900 lbs. pressure.
- 1 Vertical, 42" x 24'4", Forge Welded Steel, 600 lbs. pressure.

COLLOID MILLS
- Premier, Manton-Gaulin, Eppenbach, Charlotte, U. S., others.

CONDENSERS
- 1 Devine Tubular Vacuum, cast iron, surface condenser, 8" x 57", with receiver, 18" x 28".
- Bethlehem, Schutte Koerting, Stokes Tubular, etc.

DRYERS
- 1 Louisville Steam Tube Dryer, 38" x 20' long.
- 2 Double Drum Dryers, 27" x 63" with accessories.
- 5 Buffalo and Devine Vacuum Shelf Dryers, 42" x 42" to 60" x 160".
- 1 Huhn Rotary Steam Dryer, 3' x 18', continuous operation.

EXTRUDERS
- 1 Allen 10" extruder strainer, others.

FILLERS
- 1 Triangle Elec-Tri-Pak, Model A2C.
- 1 Stokes and Smith, Model "G," automatic conveyor type Auger Filler.
- Haller Rotary for Juices; 7, 14 and 18 spout.
- 1 Geyer 2 spout, stainless, Piston Filler.

GLASS-LINED EQUIPMENT
- 1 Glass-lined, jacketed, open top Kettle; 35" x 53", about 200 gallons.
- 2 Pfaudler, 500 gallon, vertical, manhole type tanks, side entering agitator.
- 1 Glass-lined tank, 150 gallon, 3' x 3', with side entering agitator, ½ HP motor.

LABELERS
- 2 Pneumatic and Weeks-MacDonald, straight line, fully automatic.
- 6 World and Ermold, semi-automatic labelers for spot labelling.

COMMINUTING MACHINES
- 23 Fitzpatrick, Model "D," stainless.

RUBBER MILL
- 1 Vaughan, 60", two-roll rubber mill.

MIXERS
- 2 Heavy Duty, 9 gallon, double arm, double gear.
- 2 W & P, 100 gallon, double arm, double gear.

MIXERS (DRY POWDERS)
- Prompt shipment of all sizes, Ribbon type, horizontal, all steel mixers.

PACKAGING EQUIPMENT
- Fillers, Pneumatic Scale top and bottom sealers, Wrapping Machines, etc.

TABLET MACHINES
- Stokes, Colton, Kux, Single Punch and Rotary.

SPECIAL ITEMS
- 7 Copper Coating Pans, 42".
- 1 Monel Bubble Cap Column.
- 3 Roller Mills, Day and Ross, water-cooled, 12" x 30".
- 1 36" Copper Distillation Column with accessories.

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- 1—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYER complete.
- 2—Direct heat ROTARY DRYERS; 5'x30', 6'x35'.
- 6—ROTARY VACUUM DRYERS; 1—Devine, 5'x30'; 3—Devine, 4'x25'; 1—Devine, 4'x30'; 1—Struthers Wells, 30"x12'.
- 1—6'x35' Louisville Direct Heat single shell Rotary Dryer.
- 1—8'x50' Direct Heat Rotary Dryer, double shell.
- 1—4'x20' Ruggles-Coles Indirect Heat Rotary Dryer.
- 2—4'x20' ROTARY KILNS or ROTARY DRYERS, Ruggles-Coles, geared-head, motor drive.

2—20"x48" water cooled 3-ROLLER MILL.

GEAR REDUCERS and MIXERS
- 24—Phila. type HVT, Class 1, size 1100, GEAR REDUCERS, ratio 88 to 1, horsepower 16.7 at 1750 RPM.
- 26—Phila. MOTO-REDUCERS, with 2 HP 2 speed, totally enclosed, fan cooled and explosion-proof motors. Vertical; Output speed 87 and 29 RPM at HP 2/.67.

12—150 gallon STAINLESS STEEL TANKS.

TABLET MACHINES
- 2—Stokes RD-4 Rotary 16 punch, maximum 1" dia.
- 4—Stokes "B" single punch, maximum 2-½" dia.
- 4—Stokes "E" single punch, maximum ⅝" dia.
- 1—Stokes "N" single punch, maximum ½" dia.

VACUUM FILLING LINE
- 1—K. K. 8 stem Rotary Vacuum FILLER.
- 1—K. K. 20' steel CONVEYOR BELT, 4" wide.
- 1—CAPEM sgl. head CAPPER with auto. CAP FEED.
- 1—WEEKS automatic straight line LABELLER.

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Aldridge Pump Co. Vertical Triplex HYDRAULIC PUMPS equipped with Herringbone Gears, 2¾" x 8", 67.5 gpm. Maximum pressure for intermittent duty 2,200 lbs., for continuous duty 1,800 lbs. Pump and motor mounted on common bed plate. Motors are 75 HP, 3/60/220-440 volts, 740 RPM. Complete with starting panel, consisting of G. E. motorstarter switch, push button control, square "D" Switch, and capacitator. These pumps were purchased new 3½ years ago. Excellent condition. Available for immediate delivery.

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1—NEW, UNUSED BAKER PERKINS 150 gal. capacity, 100 gal. working capacity' MIXER, equipped with double sigma blades, steam jacketed, SIZE 15, STYLE VI, TYPE BS, equipped with Hydraulic tilting device, roller bearings throughout.

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VACUUM STILLS, KETTLES, TANKS
- 4—Steam Jack. KETTLES, 50, 60 and 80 gal.
- 26—Closed STORAGE TANKS, rectangular shaped, 73"x34"x80", 700 gal. capacity.
- 26—Closed STORAGE TANKS rectangular shaped, 56"x46"x73", 800 gal. capacity.
- 2—Closed Jack. agitated Kettles with coils; 1—1,200 gal., 1—900 gal.
- 1—1,800 gal. closed jack. Kettle or Vacuum Still.
- 8—Closed jack. agitated Kettles or Vacuum Stills.
- 1—350 gal. closed jack. agit. Kettle.
- 9—250 GAL. NEW CLOSED HORIZONTAL STORAGE TANKS, OVAL SHAPED, APPROX. 46" AND 28" BY 61" LONG, 18" ROUND MANHOLE IN TOP. ⅛" PLATE.

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- 1—6'x6' OLIVER FILTER UNIT, complete.
- 2—Stokes & Smith AUGER-type FILLERS.
- 1—Gedge Gray 500-lb. DRY POWDER MIXER.
- 3—J. H. Day, Size D, 600-lb. DRY POWDER MIXER, M.D.
- 2—450 gal. copper steam jacketed KETTLES.
- 1—ROTEX SCREEN, 40"x84".
- 6—150 gal. Sowers-Dopp steam jack. Kettles.
- 1—350 gal. Copper jack. agit. closed Kettle or Vac. Still.
- 1—World straightaway automatic LABELER, M.D.
- 3—Weeks McDonald straight line fully automatic LABELERS, motor driven.
- 2—World and Ermold semi-automatic LABELING Machines.
- 10—Copper & Aluminum KETTLES to 500 gal. cap.
- 1—K.K. 12"x12" bronze FILTER PRESS, plated frame.
- 3—Day size "D," 600 lb. Dry POWDER MIXERS.
- 2—Copper steam jacketed agitated KETTLES, 1—54" dia. x 42" deep, 300 gals.; 1—36" dia. x 31" deep, 70 gals.
- 1—Dopp 500 gallon cast iron jacketed KETTLE.
- 1—J. H. Day auger POWDER FILLER.
- 2—Stokes No. 15 auger POWDER FILLERS.
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1—Fletcher 30" Suspended, Solid Basket, Centrifugal, 1,200 RPM.
1—Colton No. 2 Combination Filler, Closer & Crimper.
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10—1,000 and 2,000-lb. Powder Mixers, NEW.
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10—Stokes Rotary D4, 31/32".
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Socony-Vacuum Names McDaniel to New Post

Appointment of George D. McDaniel as manager of the eastern marketing region has been announced by Socony-Vacuum Oil Company. The eastern marketing region includes all Atlantic Coast states from Maine through South Carolina and also the District of Columbia and West Virginia.

Mr. McDaniel succeeds John M. Martin, who has been employed by Socony-Vacuum since 1904, when he joined the company as a junior clerk in Albany. Mr. Martin will continue to be available to the company in an advisory capacity on domestic marketing.

Mr. McDaniel has been manager of the southeastern division of Socony-Vacuum, with headquarters in Baltimore. Previously he had been district manager in Baltimore and in Westchester-Bronx counties, N. Y. He has been with Socony-Vacuum for sixteen years.

Succeeding Mr. McDaniel in Baltimore will be A. W. Warner, district manager in Kansas City, Mo., for the last four years and an employee of Socony-Vacuum for the last twenty-five years.

Celanese Corp. Adds To Expansion Fund

Impetus to the program of plant expansion undertaken by Celanese Corporation of America has been given by the addition of $25,000,000 to its cash reserves through the private sale of debentures, according to an announcement by Harold Blancke, president of the corporation.

This program of plant expansion covers the three major fields of the corporation's operations, synthetic textiles, chemicals and plastics, and includes construction of additional producing facilities at several locations. The increased capital provided by the sale of debentures will be added to the general funds of the corporation, assuring the acceleration of the plant expansion program.

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Trade Briefs

Chester F. Hockley, president of the Davison Chemical Company, Baltimore, Md., has been elected a director of the Maryland Casualty Company.

Coast Agricultural Fertilizer Company, Pasadena, Calif., has received Civilian Production Administration permission for the construction of a fertilizer factory in that city.

New Jersey Standard Oil Company has repaid an additional $8,000,000 on a promissory note dated December 31, 1942, in the face amount of $40,000,000, with interest at 3 percent.

Llewellyn E. Pickett has joined McCann-Erickson, Inc., New York, as account executive for Revlon. He previously was associated in various capacities, both creative and executive, with cosmetic brands including the Richard Hudnut group, Drene Shampoo and Prince Matchabelli.

American Viscose Corporation states that a recent development in the use of rayon is in the manufacture of an increasing variety of rayon laminated plastics which may be utilized in the molding of articles such as cabinets, table tops, trays, machine parts and household utensils.

Monsanto Chemical Company, St. Louis, has announced its Merrimac Division at Boston has begun volume production of 'Skylac,' a flame-resistant fabric finish for both exterior and interior surfaces of aircraft, which was initially developed for the armed forces.

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